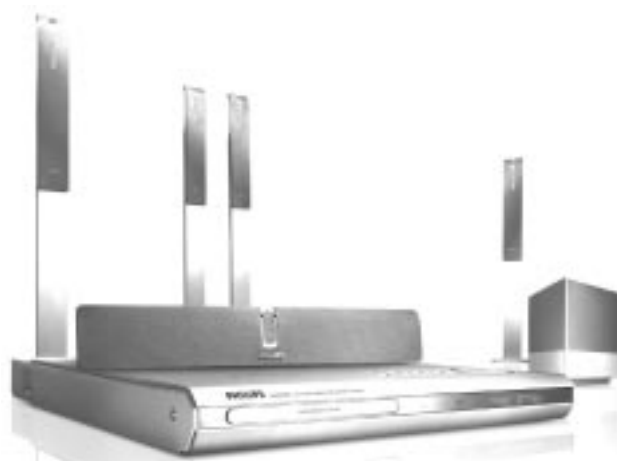


Service
Service
Service



Service Manual



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Published by BB0436 Service AV Systems Printed in The Netherlands Subject to modification

**CLASS 1
LASER PRODUCT**



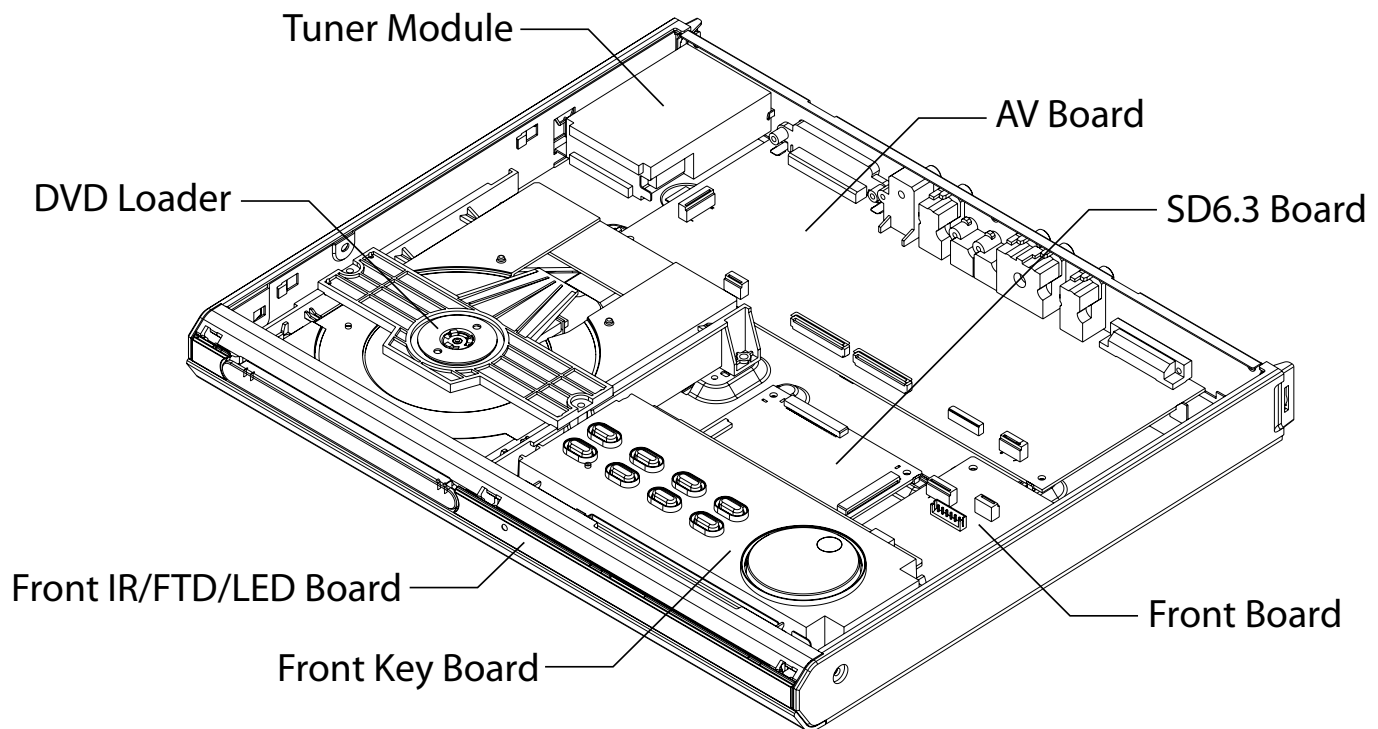
3139 785 30830

Version 1.0



PHILIPS

LOCATION OF PC BOARDS



VERSION VARIATIONS:

[illegible]

SPECIFICATIONS

GENERAL:

Mains voltage : 120V for /17
 220-240V for /01/04/05
 110-127V/220-240V Switchable for /69/93
 Mains frequency : 50/60Hz
 Power consumption : < 1W at Standby
 < 160W at 1/8 P_{rated}
 Dimension main unit : 360 x 40 x 305mm

TUNER:

FM

Tuning range : 87.5-108MHz
 Grid : 50kHz
 100kHz for /17/69
 IF frequency : 10.7MHz $\pm$ 25kHz
 Aerial input : 75 Ω coaxial
 Sensitivity at 26dB S/N : < 7 μ V
 Selectivity at 600kHz bandwidth : > 25dB
 IF rejection : > 60dB
 Image rejection : > 25dB
 Distortion at RF=1mV, dev. 75kHz : < 3%
 -3dB Limiting point : 8 μ V
 Crosstalk at RF=1mV, dev. 67.5kHz : > 28dB
 Crosstalk at RF=1mV, dev. 40kHz : > 18dB /17/69

MW

Tuning range : 531-1602kHz
 530-1700kHz for /17/69
 Grid : 9kHz
 10kHz for /17/69
 IF frequency : 450kHz $\pm$ 1kHz
 Aerial input : Frame aerial
 Sensitivity at 26dB S/N : < 4.0mV/M
 Selectivity at 18kHz bandwidth : > 20dB
 IF rejection : > 45dB
 Image rejection : > 28dB
 Distortion at RF=50mV, m=80% : < 5%

AMPLIFIER:

Output power
 Front : 100W RMS / channel
 Rear : 75W RMS / channel
 Center : 100W RMS
 Subwoofer : 150W RMS

Frequency response $\pm$ 3dB : 20Hz-50kHz
 Hum (Volume Minimum) : 200nW
 Residual noise (Volume Minimum) : 40nW

Input sensitivity

Aux In : 1V $\pm$ 3dB at 47k Ω
 Scart In : 500mV $\pm$ 3dB at 47k Ω

Output sensitivity

Line Out (Left/Right) : 1V $\pm$ 1.5dB at 4.7k Ω
 Scart Out (Left/Right) : 1V $\pm$ 1.5dB at 4.7k Ω

COMPACT DISC/VCD/DVD:

Video Decoding : MPEG-1/MPEG-2/MPEG-4/DivX 3.11,
 4.x & 5.x
 Video DAC : 12 Bits
 Signal System : PAL / NTSC
 Video Format : 4:3 / 16:9

CVBS Out ¹⁾

CVBS level : 1.0 $\pm$ 0.1V_{p-p}
 Luminance S/N : $\geq$ 55dB

S-Video Out ¹⁾

Y level : 1.0 $\pm$ 0.1V_{p-p}
 Y S/N : $\geq$ 60dB
 C level (burst) : 286mV_{p-p} +1/-4 dB

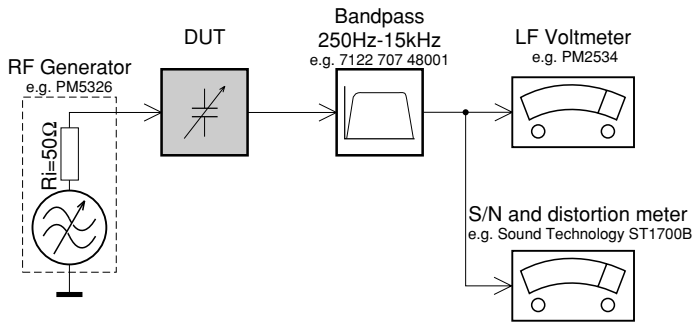
RGB/YUV Out ¹⁾

Amplitude : 0.7 $\pm$ 0.1V_{p-p}
 S/N : $\geq$ 60dB

¹⁾ Output terminals to be terminated with 75 Ω

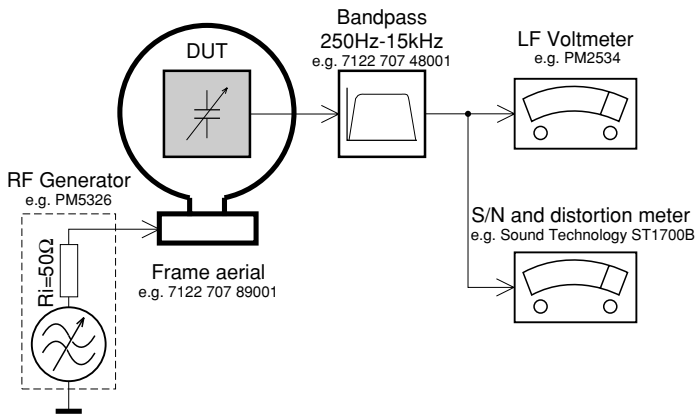
MEASUREMENT SETUP

Tuner FM



Use a bandpass filter to eliminate hum (50Hz, 100Hz) and disturbance from the pilotone (19kHz, 38kHz).

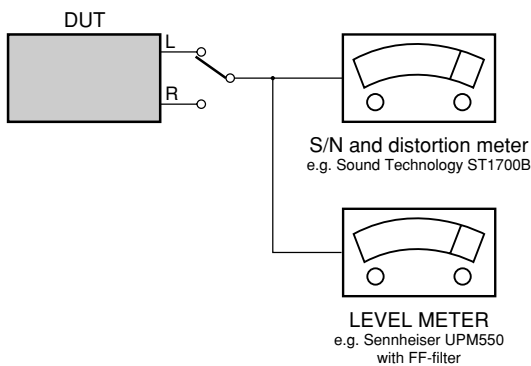
Tuner AM (MW,LW)



To avoid atmospheric interference all AM-measurements have to be carried out in a Faraday's cage.
Use a bandpass filter (or at least a high pass filter with 250Hz) to eliminate hum (50Hz, 100Hz).

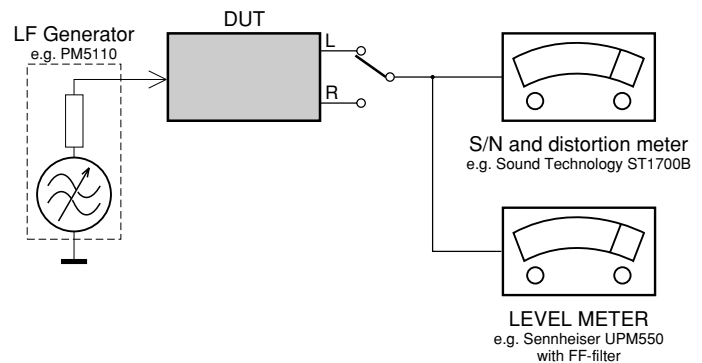
CD

Use Audio Signal Disc SBC429 4822 397 30184
(replaces test disc 3)



Recorder

Use Universal Test Cassette **CrO2** SBC419 4822 397 30069
or Universal Test Cassette **Fe** SBC420 4822 397 30071



SERVICE AIDS

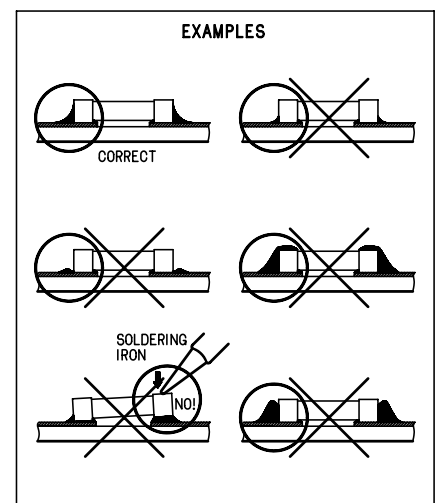
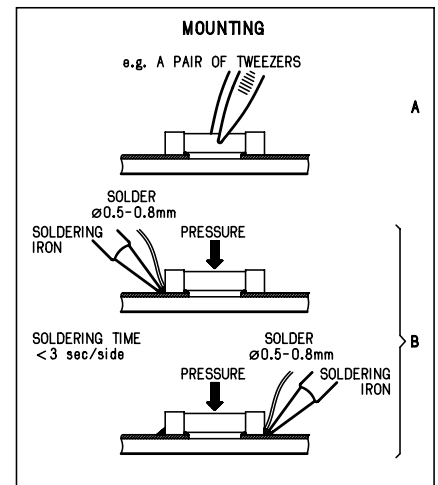
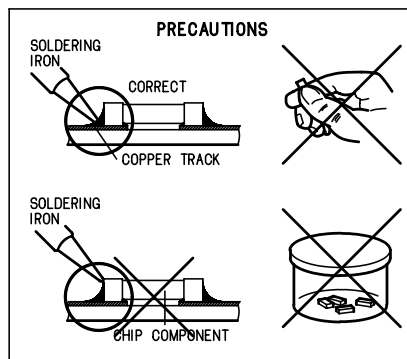
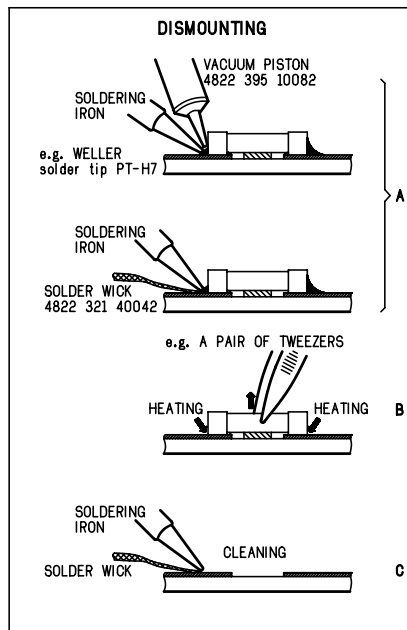
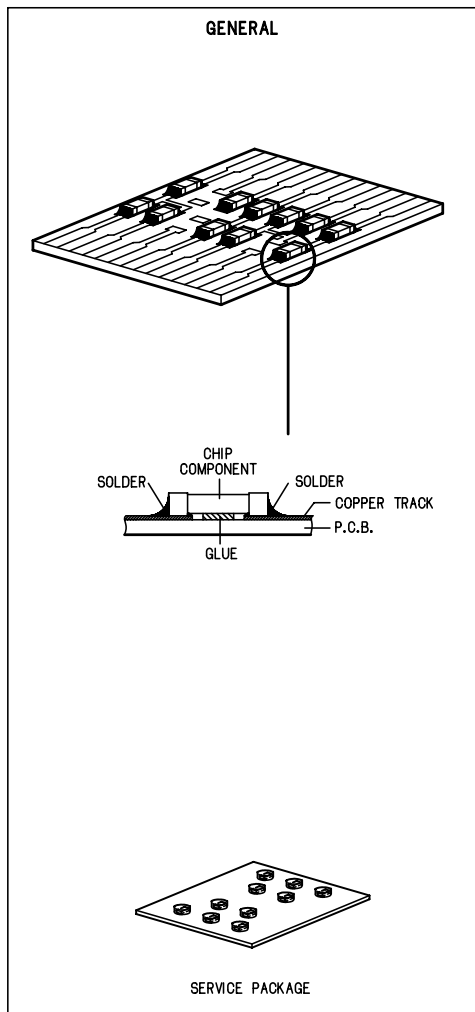
Service Tools:

Universal Torx driver holder	4822 395 91019
Torx bit T10 150mm	4822 395 50456
Torx driver set T6 - T20	4822 395 50145
Torx driver T10 extended	4822 395 50423

Compact Disc:

SBC426/426A Test disc 5 + 5A	4822 397 30096
SBC442 Audio Burn-in Test disc 1kHz	4822 397 30155
SBC429 Audio Signals disc	4822 397 30184
Dolby Pro-logic Test Disc	4822 395 10216

HANDLING CHIP COMPONENTS



(GB) WARNING

All ICs and many other semi-conductors are susceptible to electrostatic discharges (ESD). Careless handling during repair can reduce life drastically.

When repairing, make sure that you are connected with the same potential as the mass of the set via a wrist wrap with resistance. Keep components and tools also at this potential.

ESD**(NL) WAARSCHUWING**

Alle IC's en vele andere halfgeleiders zijn gevoelig voor electrostatische ontladingen (ESD). Onzorgvuldig behandelen tijdens reparatie kan de levensduur drastisch doen verminderen.

Zorg ervoor dat u tijdens reparatie via een polsband met weerstand verbonden bent met hetzelfde potentiaal als de massa van het apparaat. Houd componenten en hulpmiddelen ook op hetzelfde potentiaal.

(F) ATTENTION

Tous les IC et beaucoup d'autres semi-conducteurs sont sensibles aux décharges statiques (ESD).

Leur longévité pourrait être considérablement écourtée par le fait qu'aucune précaution n'est prise à leur manipulation.

Lors de réparations, s'assurer de bien être relié au même potentiel que la masse de l'appareil et enfiler le bracelet serti d'une résistance de sécurité.

Veiller à ce que les composants ainsi que les outils que l'on utilise soient également à ce potentiel.

(D) WARNUNG

Alle ICs und viele andere Halbleiter sind empfindlich gegenüber elektrostatischen Entladungen (ESD).

Unvorsichtige Behandlung im Reparaturfall kann die Lebensdauer drastisch reduzieren.

Veranlassen Sie, dass Sie im Reparaturfall über ein Pulsarmband mit Widerstand verbunden sind mit dem gleichen Potential wie die Masse des Gerätes.

Bauteile und Hilfsmittel auch auf dieses gleiche Potential halten.

(I) AVVERTIMENTO

Tutti IC e parecchi semi-conduttori sono sensibili alle scariche statiche (ESD).

La loro longevità potrebbe essere fortemente ridotta in caso di non osservazione della più grande cauzione alla loro manipolazione.

Durante le riparazioni occorre quindi essere collegato allo stesso potenziale che quello della massa dell'apparecchio tramite un braccialetto a resistenza.

Assicurarsi che i componenti e anche gli utensili con quali si lavora siano anche a questo potenziale.

(GB) ESD PROTECTION EQUIPMENT:

Complete Kit ESD3 (small tablemat, wristband, connection box, extension cable and earth cable) 4822 310 10671
Wristband tester 4822 344 13999

(GB)

Safety regulations require that the set be restored to its original condition and that parts which are identical with those specified, be used

Safety components are marked by the symbol $\triangle$.

(NL)

Veiligheidsbepalingen vereisen, dat het apparaat bij reparatie in zijn oorspronkelijke toestand wordt teruggebracht en dat onderdelen, identiek aan de gespecificeerde, worden toegepast.

De Veiligheidsonderdelen zijn aangeduid met het symbool $\triangle$.

(F)

Les normes de sécurité exigent que l'appareil soit remis à l'état d'origine et que soient utilisés les pièces de rechange identiques à celles spécifiées.

Less composants de sécurité sont marqués $\triangle$.

(D)

Bei jeder Reparatur sind die geltenden Sicherheitsvorschriften zu beachten. Der Originalzustand des Geräts darf nicht verändert werden; für Reparaturen sind Original-Ersatzteile zu verwenden.

Sicherheitsbauteile sind durch das Symbol $\triangle$ markiert.

(I)

Le norme di sicurezza esigono che l'apparecchio venga rimesso nelle condizioni originali e che siano utilizzati i pezzi di ricambio identici a quelli specificati.

Componenti di sicurezza sono marcati con $\triangle$.

(GB)

After servicing and before returning set to customer perform a leakage current measurement test from all exposed metal parts to earth ground to assure no shock hazard exist. The leakage current must not exceed 0.5mA.

**(GB) Warning !**

Invisible laser radiation when open.
Avoid direct exposure to beam.

(S) Varning !

Osynlig laserstrålning när apparaten är öppnad och spärren är urkopplad. Betrakta ej strålen.

(SF) Varoitut !

Avatussa laitteessa ja suojalukituksen ohitettaessa olet alttiina näkymättömälle laserisäteilylle. Älä katso säteeseen!

(DK) Advarse !

Usynlig laserstrålning ved åbning når sikkerhedsafbrydere er ude af funktion. Undgå udsættelse for strålning.

(F)

"Pour votre sécurité, ces documents doivent être utilisés par des spécialistes agréés, seuls habilités à réparer votre appareil en panne".

DISMANTLING INSTRUCTIONS

Dismantling of the DVD Loader

- 1) The tray can be manually open by inserting a minus screw driver and push the lever in the direction as shown in Figure 1 to unlock the tray before sliding it out.
- 2) Slide out the tray and remove the Cover Tray (pos 110) as shown in Figure 2.
- 3) Loosen 2 screws each to remove the Panel Cover Left (pos 231) and Panel Cover Right (pos 232).



Figure 1

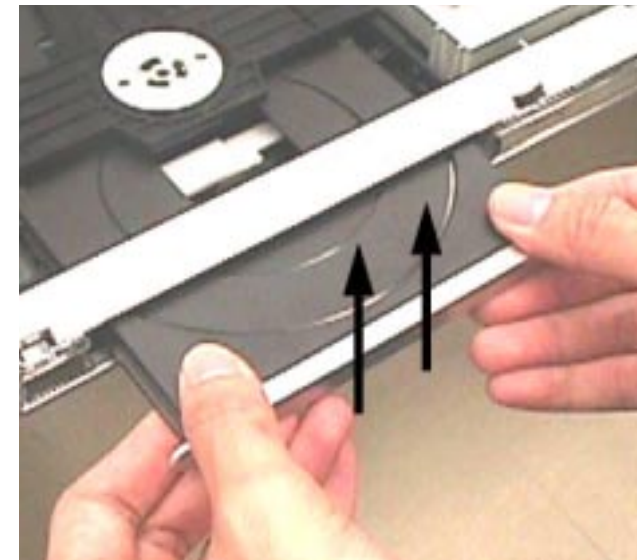


Figure 2

Dismantling of the Front Key Board

- 1) Loosen 4 screws C (see Figure 3) to remove the Bracket Support Control (pos 130) and the Front Key Board (pos 1401).

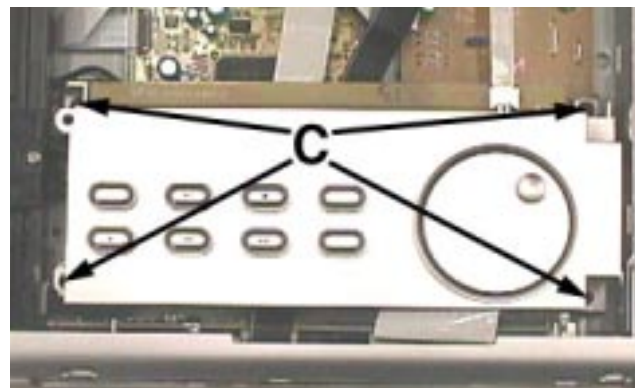


Figure 3

- 2) Loosen 6 screws D (see Figure 4) to remove the Front Key Board (pos 1401) from the Bracket Support Control (pos 130).

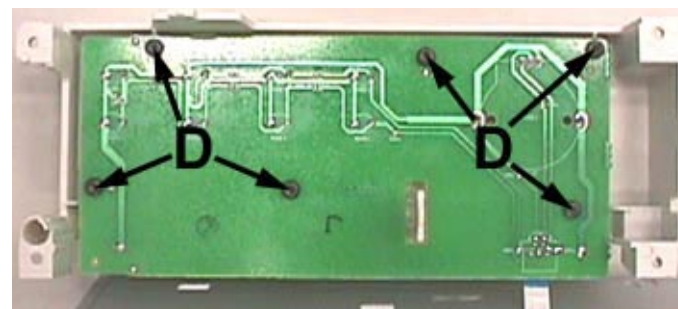


Figure 4

Dismantling of the Tuner Module, AV Board, Front Board and SD6.3 ST AV2 Board

- 1) Loosen 2 screws A (see Figure 5) to remove the Tuner Module (pos 1801).
- 2) Loosen 9 screws B (see Figure 5) and 2 screws H (see Figure 6) to remove the AV Board (pos 1501).
- 3) Loosen 2 screws E (see Figure 6) to remove the Front Board (pos 1201).
- 4) Loosen 2 screws F (see Figure 6) to remove the SD6.3 ST AV2 Board (1601).

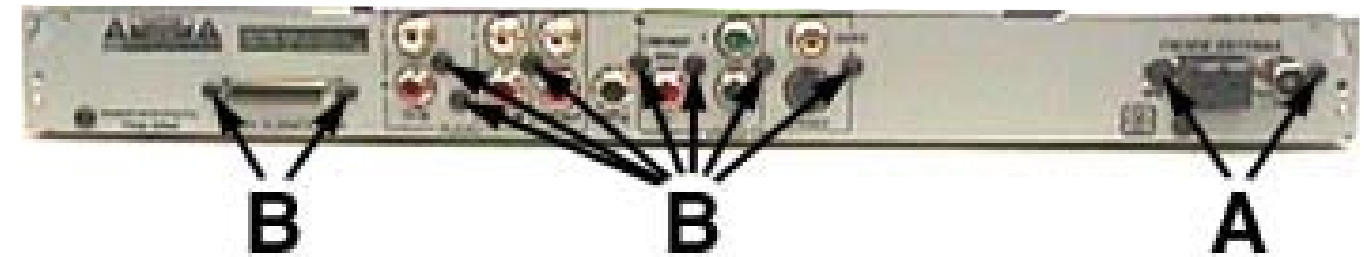


Figure 5

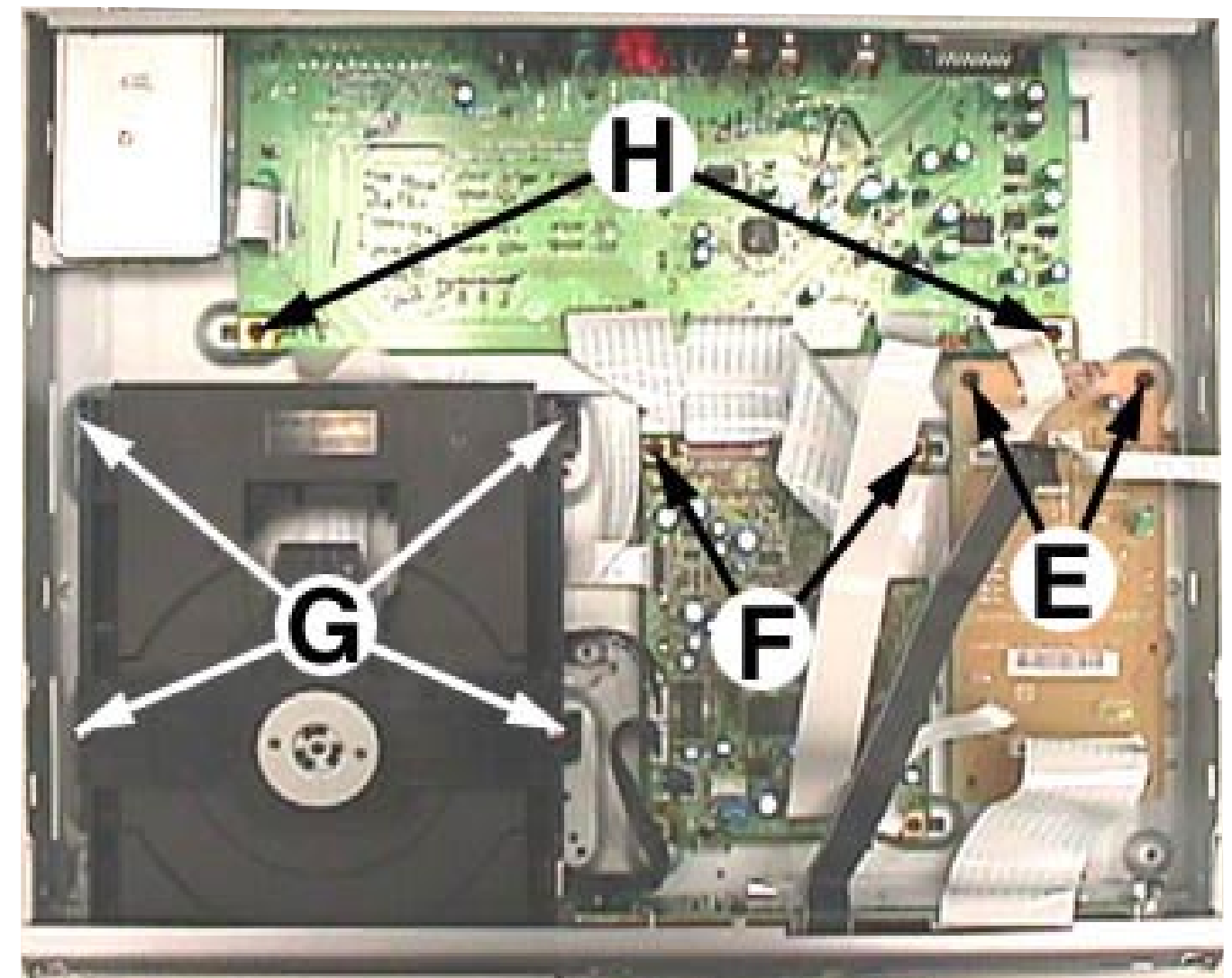
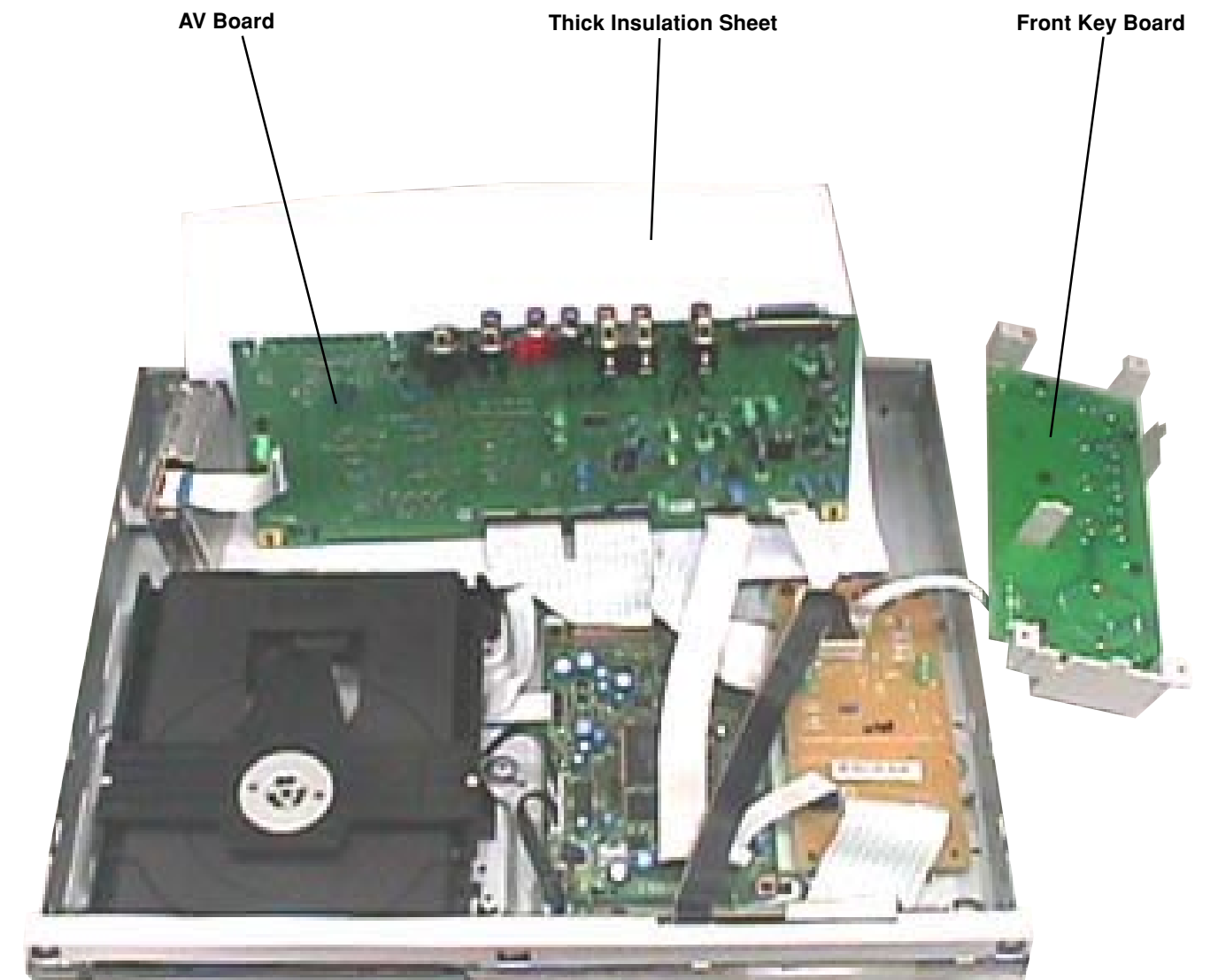
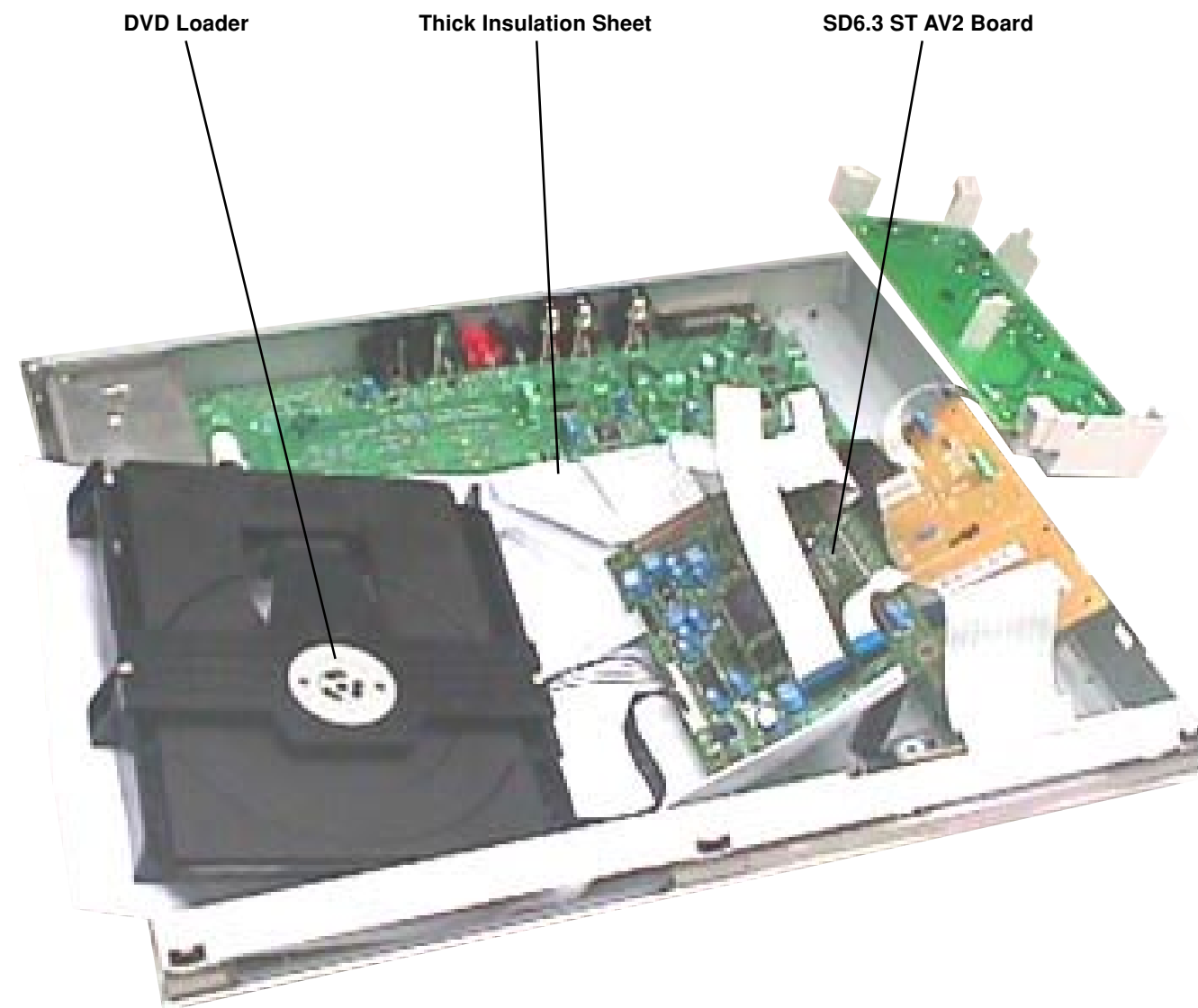
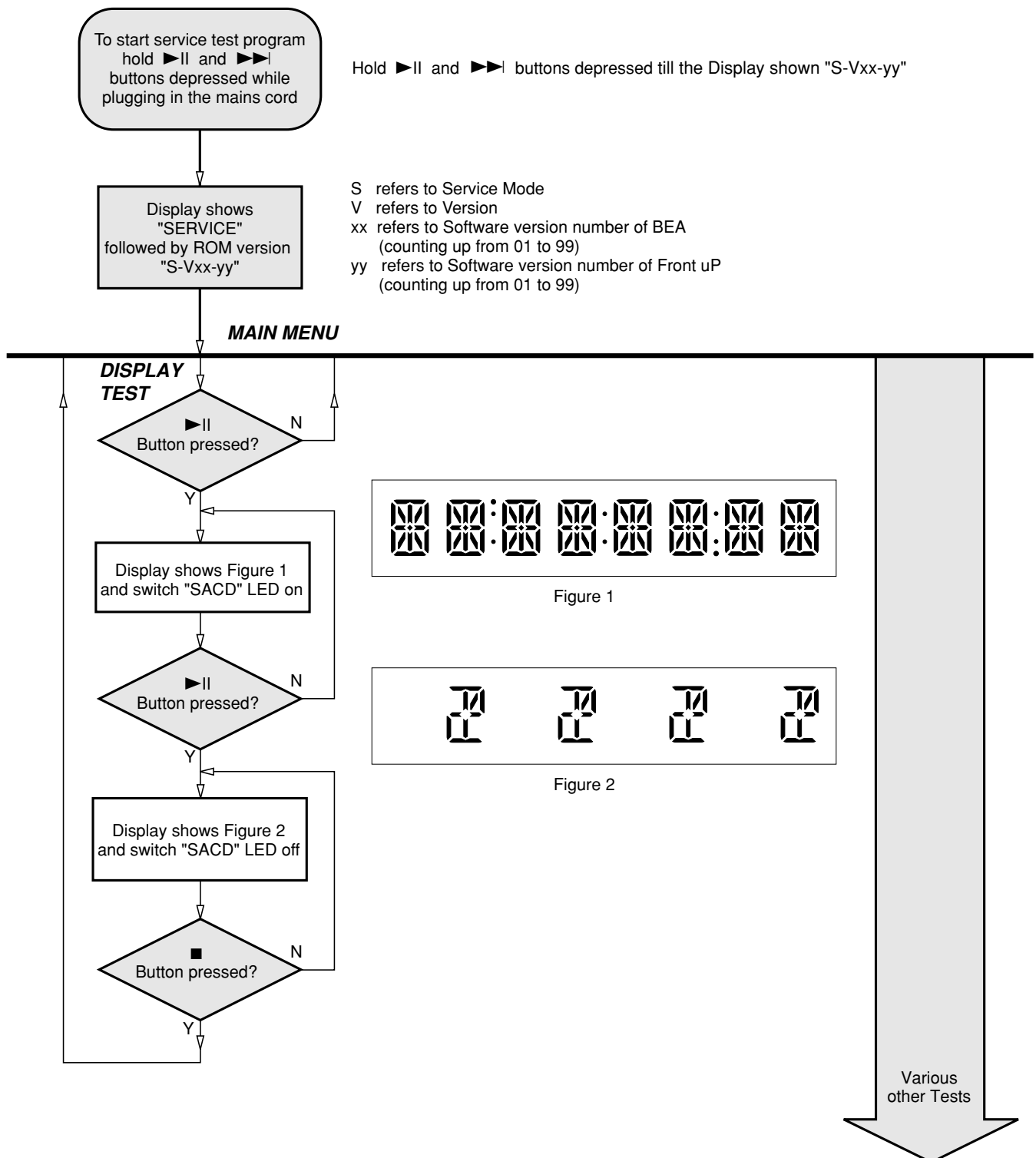


Figure 6

SERVICE POSITIONS

SERVICE TEST PROGRAM



TEST	Activated with	ACTION
EEPROM FORMAT TEST	◄◄ ◄◄ to Exit	Load default data. Display shows "NEW". Caution! All presets from the customer will be lost!!
ROTARY ENCODER TEST	Volume Knob	Display shows value for 2 seconds. Volume values increases or decreases in steps of 1 until 0 (VOL MIN) or 40 (VOL MAX) is reached.
LEAVE SERVICE TEST PROGRAM	Disconnect mains cord	

Reprogramming of DVD version Matrix

After repair, the customer setting and region code may be lost. Reprogramming will put the set back in the state in which it has left the factory, ie. with the default setting and the allowed region code.

Model	Region	Region Code	TV Type
LX8300SA/01	Europe	2	PAL
LX8300SA/05	Europe	2	PAL
LX8320SA/69	AP	3	PAL
LX8300SA/04	Russia	5	PAL
LX8320SA/93	China	6	PAL
LX8500W/01	Europe	2	PAL
LX8500W/04	Russia	5	PAL
LX8500W/69	AP	3	PAL
LX8500W/93	China	6	PAL

To reprogram do as follows:

- 1) Power up the set and select **DISC** source.
- 2) Open tray by press "OPEN/CLOSE" button on the set or press and hold "STOP" button on the RC.
- 3) Press the following buttons on the Remote Control:
 <9> <9> <9> <9> <AUDIO> <1> for LX8300SA/01
 <9> <9> <9> <9> <AUDIO> <2> for LX8300SA/05
 <9> <9> <9> <9> <AUDIO> <3> for LX8320SA/69
 <9> <9> <9> <9> <AUDIO> <4> for LX8300SA/04
 <9> <9> <9> <9> <AUDIO> <5> for LX8320SA/93
 <9> <9> <9> <9> <AUDIO> <6> for LX8500W/01
 <9> <9> <9> <9> <AUDIO> <7> for LX8500W/04
 <9> <9> <9> <9> <AUDIO> <8> for LX8500W/69
 <9> <9> <9> <9> <AUDIO> <9> for LX8500W/93
- 4) The display shows 'YYYY-ZZ' and the tray will close.
 YYYY = model number (eg. 8300, 8500, etc.)
 ZZ = slash stroke version (eg. 01, 69, etc.)

Procedure for check Software version

- 1) Power up the set and select **DISC** source.
- 2) Open tray by press "OPEN/CLOSE" button on the set or press and hold "STOP" button on the RC.
- 3) Press "DISPLAY" button on the Remote control.
- 4) The TV screen will shows:

SD6.3 Vxx YYYY-ZZ A BB

SERVO: nnnnnnnn REG:A

xx = version number
 YYYY = model number (eg. 8300, 8500, etc.)
 ZZ = slash stroke version (eg. 01, 69, etc.)
 A = region code
 BB = Front uP software version number
 nnnnnnnn = servo version number

Procedure to upgrade software

- 1) Power up the set and select **DISC** source.
- 2) Open tray by press "OPEN/CLOSE" button on the set or press and hold "STOP" button on the RC.
- 3) Place upgrade CD-ROM onto tray and close.
- 4) The set will response and display the following:
 - **LOAD** [After the disc is read, the tray will open for you to remove the disc]
 - **ERASE** [Erasing disc]
 - **WRITE** [Writing disc]
 - **ERROR** [if upgrade is unsuccessful]
 - **UPG END** [if upgrade is successful]
 - **DISC->CLOSE->LOAD** [Tray will close indicating that the upgrade process is completed]
- 5) The whole process should not take more than 5 minutes.

Caution: Do not unplug the set until upgrade is completed.

Trade Mode

Trade mode is a feature that will block all set keys when enabled. It is for dealers to prevent customers from removing disc, changing source etc using the set keys. Rotary and Remote Control (RC) keys are still allowed in Trade mode.

To activate Trade Mode:

- 1) Power up the set and select **DISC** source.
- 2) Open tray by press "OPEN/CLOSE" button on the set or press and hold "STOP" button on the RC.
- 3) Then press buttons <2> <5> <9> on the RC.
- 4) The display shows '**TRA ON**' and the tray will close.
Trade Mode is now enabled.

To deactivate Trade Mode:

- 1) Power up the set and select **DISC** source.
- 2) Open tray by press and hold "STOP" button on the RC.
- 3) Then press buttons <2> <5> <9> on the RC.
- 4) The display shows '**TRA OFF**' and the tray will close.
Trade Mode is now disabled.

Procedure to change Tuner Grid (not for all versions)

- 1) By holding "SOURCE" and "PREV" buttons depressed while switching on the mains supply, the tuning grid frequency is toggled between 9kHz and 10kHz.
- 2) Hold the "SOURCE" and "PREV" buttons depressed until the display shown the new tuning grid '**GRID 9**' or '**GRID 10**'.

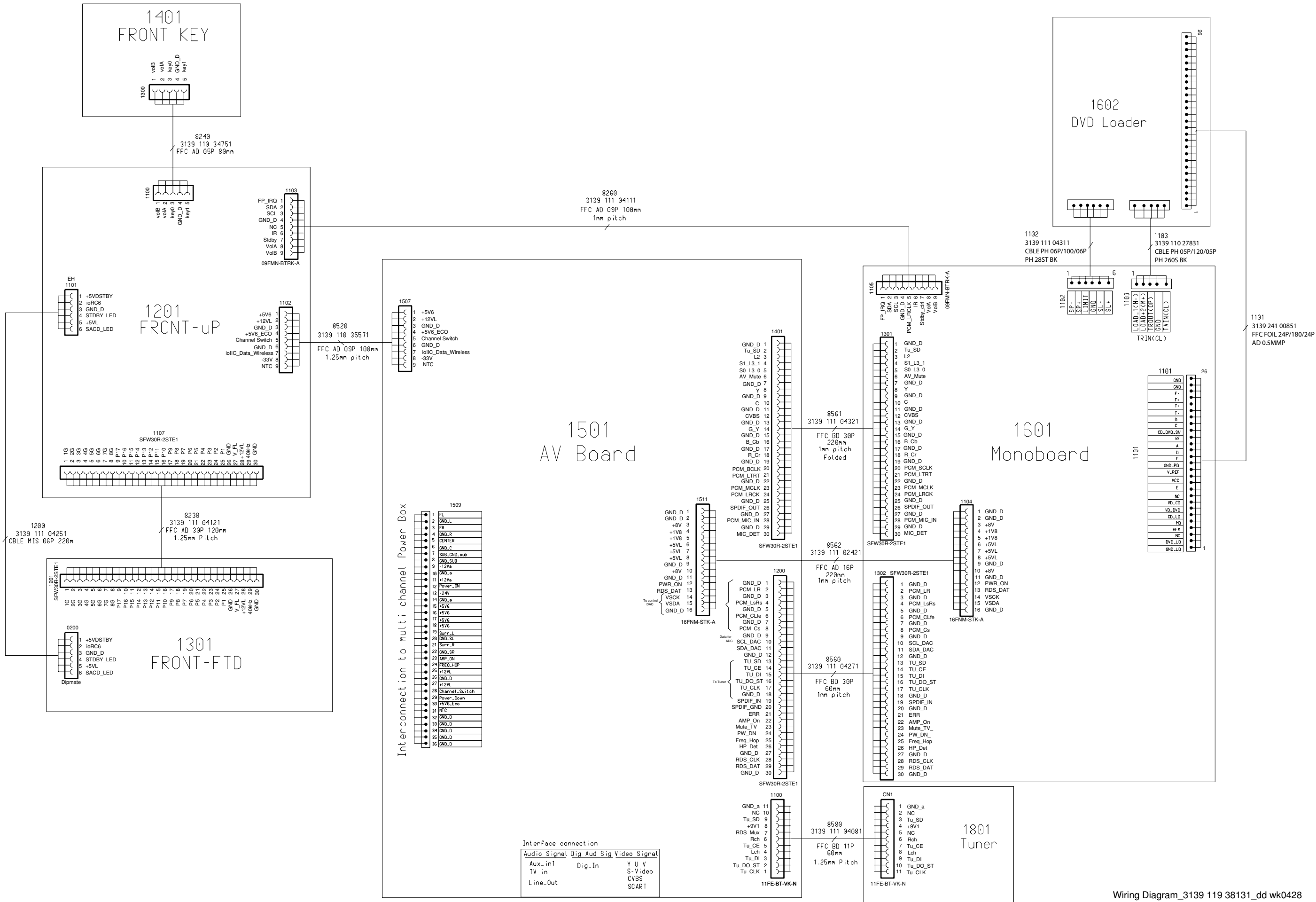
Note: Repeating the same action will toggle back to its previous tuning grid setting.

The diagram illustrates the internal architecture of a digital audio receiver. Key components and their connections include:

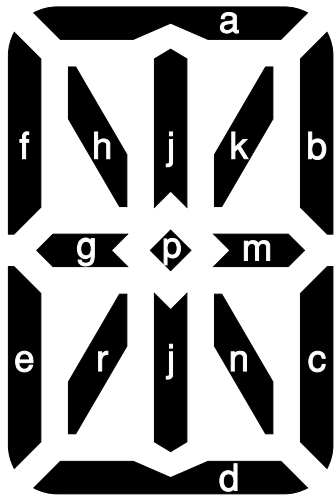
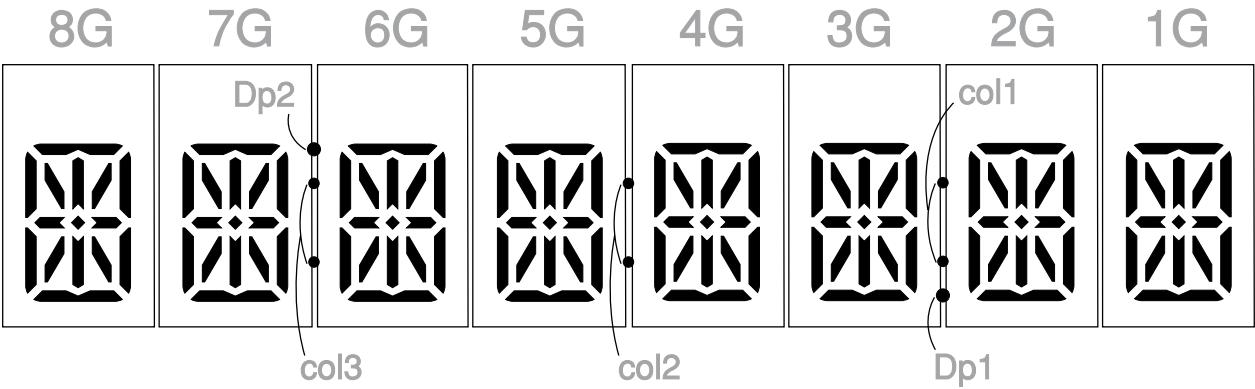
- Power Supply:** A switch-mode power supply (SMPS) provides +5V6ECO, +12VL, and -12Va. A DC-to-AC converter provides +12VL and -Vkk. A power down section includes a PWR_DN signal and a +5V6 DC2DC converter.
- Audio Processor:** The CS 42418 chip handles digital audio processing, including ADCs, DACs, and digital filters. It is connected to the SD 6.3 digital processor (Using MT 1389 chipset) and the DVD Loader (ASA).
- Control and Tuning:** A tuner (TM08) and RDS IC (SAA6581T) are connected to the audio processor. A digital input section includes a digital in and a digital out.
- Output Stages:** The audio processor drives four power amplifiers (L/R, SURROUND, CENTRE, SUBWOOFER) via UCD (Universal Class D) and L/R POWER AMP blocks. These are connected to speakers (FRONT L/R, SURR L/R, CENTRE, SUBWOOFER) and a subwoofer.
- Remote Control:** An IR receiver (Jog.A, Jog.B) and a TMP88CU74F microcontroller handle remote control signals. The microcontroller is also connected to ADC keys and a channel switch.
- Other Components:** The diagram includes various passive components like resistors, capacitors, and inductors, as well as active components like diodes and transistors.

The diagram is labeled with various signal names, pin numbers, and component values, providing a comprehensive view of the system's internal structure.

SET WIRING DIAGRAM



FTD DISPLAY PIN CONNECTION



(1G - 8G)

PANEL FRONT BOARDS

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Front Board - Circuit Diagram 6-3

IR/FTD/LED Board - Component & Chip Layout 6-4

IR/FTD/LED Board - Circuit Diagram 6-5

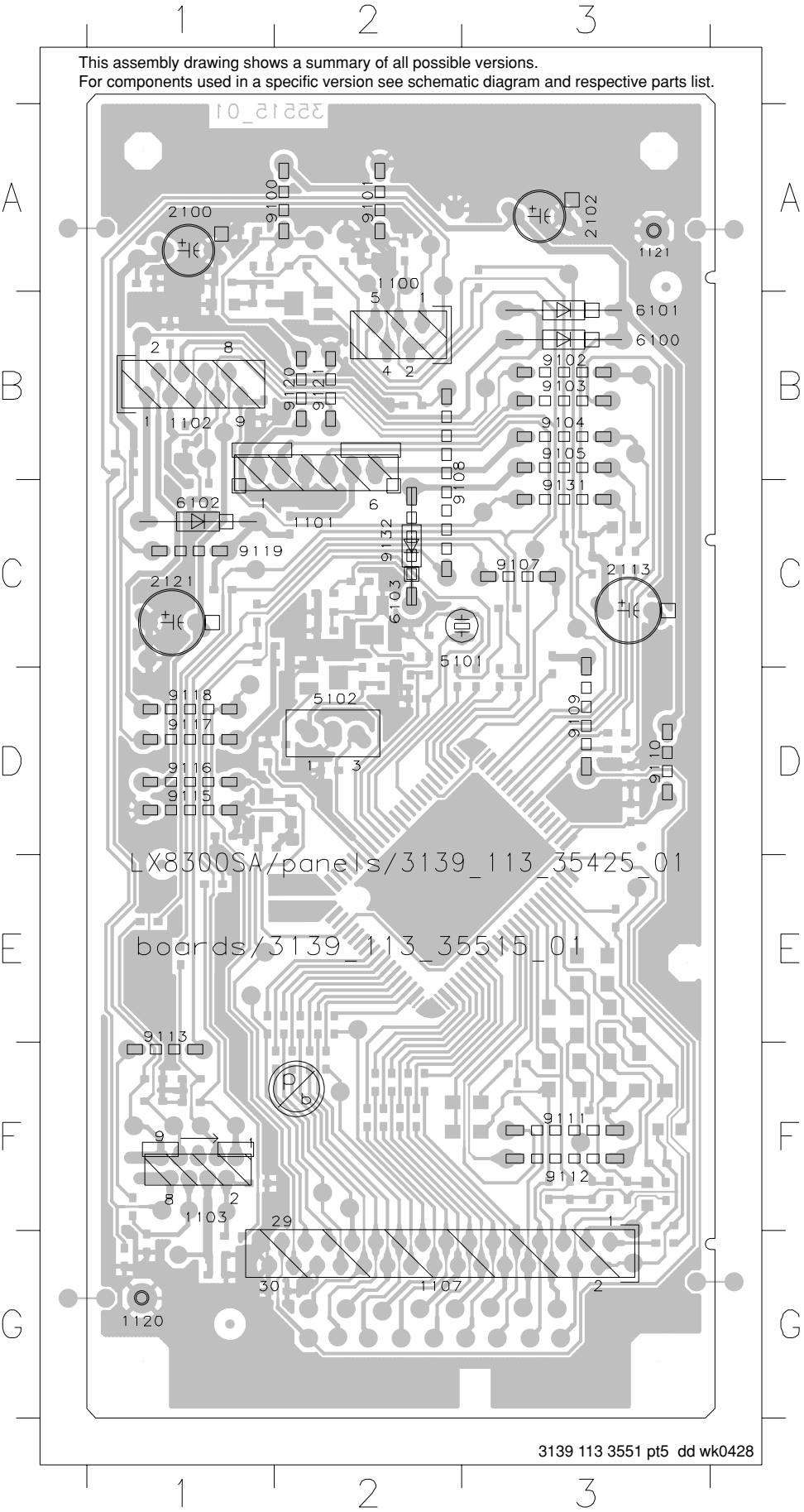
Front Key Board - Component & Chip Layout 6-6

Front Key Board - Circuit Diagram 6-7

Electrical parts list..... 6-7

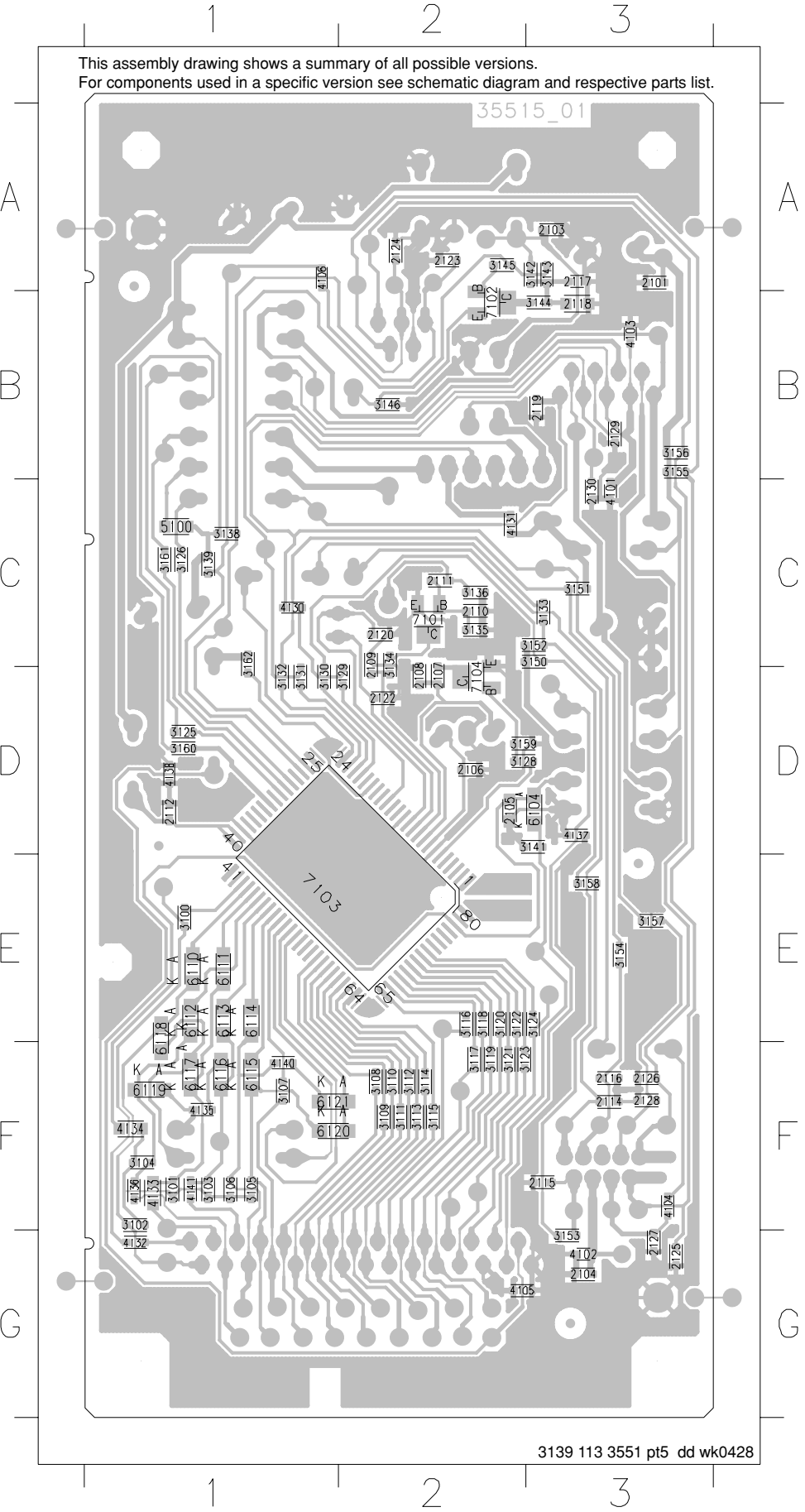
	8G	7G	6G	5G	4G	3G	2G	1G
P1	a	a	a	a	a	a	a	a
P2	k	k	k	k	k	k	k	k
P3	j	j	j	j	j	j	j	j
P4	h	h	h	h	h	h	h	h
P5	b	b	b	b	b	b	b	b
P6	f	f	f	f	f	f	f	f
P7	m	m	m	m	m	m	m	m
P8	p	p	p	p	p	p	p	p
P9	g	g	g	g	g	g	g	g
P10	c	c	c	c	c	c	c	c
P11	e	e	e	e	e	e	e	e
P12	n	n	n	n	n	n	n	n
P13	r	r	r	r	r	r	r	r
P14	-	col3		col2		col1		-
P15	d	d	d	d	d	d	d	d
P16	-	-	-	-	-	-	-	-
P17	-	Dp2		-	-	Dp1		-

FRONT BOARD - COMPONENT LAYOUT



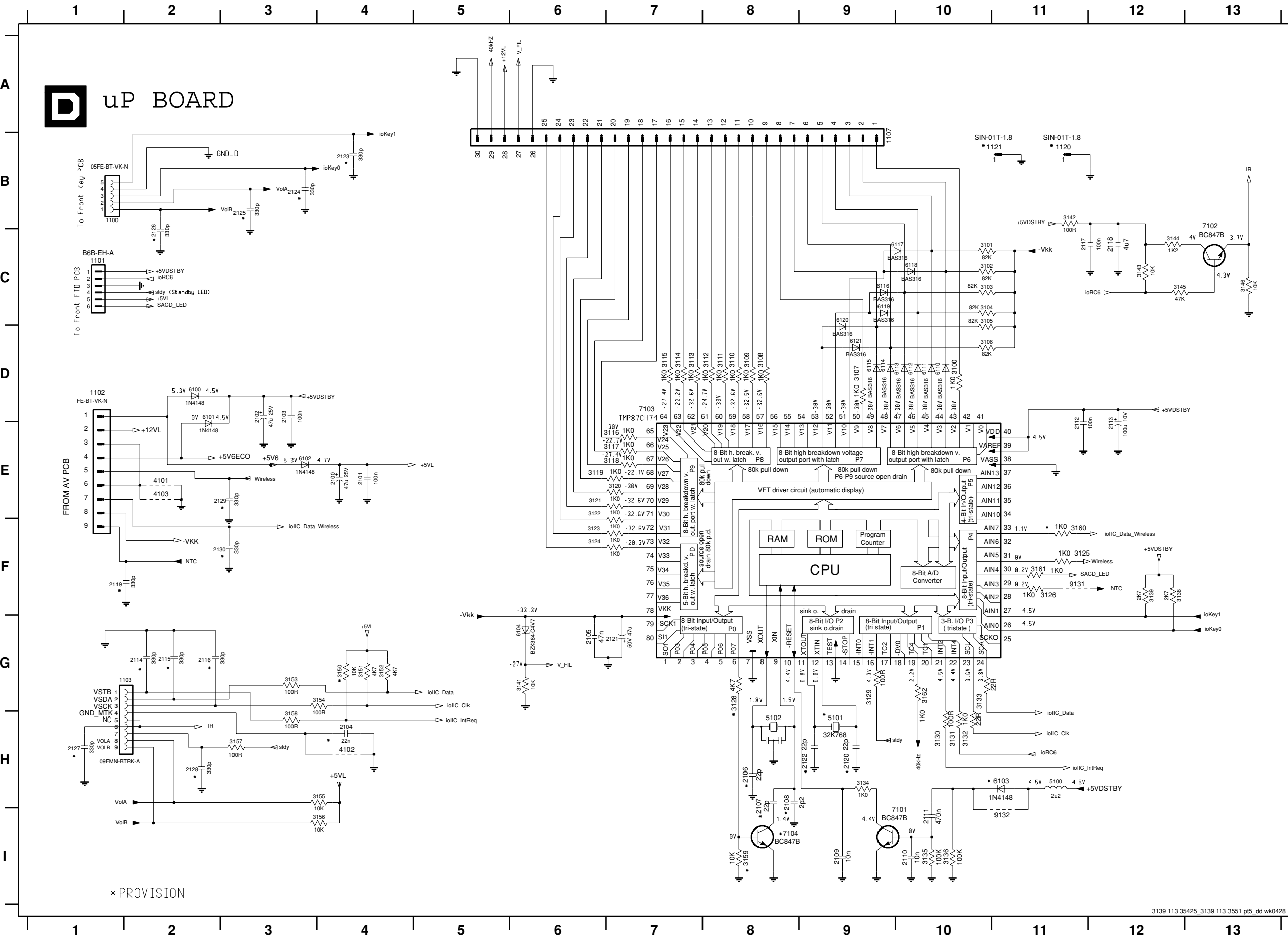
- 1100 A2
- 1101 C2
- 1102 B1
- 1103 F1
- 1107 G2
- 1120 G1
- 1121 A3
- 2100 A1
- 2102 A3
- 2113 C3
- 2121 C1
- 5101 C2
- 5102 D2
- 6100 B3
- 6101 B3
- 6102 C1
- 6103 C2
- 9100 A1
- 9101 A2
- 9102 B3
- 9103 B3
- 9104 B3
- 9105 B3
- 9107 C3
- 9108 C2
- 9109 D3
- 9110 D3
- 9111 F3
- 9112 F3
- 9113 F1
- 9115 D1
- 9116 D1
- 9117 D1
- 9118 D1
- 9119 C1
- 9120 B2
- 9121 B2
- 9131 C3
- 9132 C2

FRONT BOARD - CHIP LAYOUT



- 2101 A3
- 2103 A3
- 2104 G3
- 2105 D2
- 2106 D2
- 2107 D2
- 2108 D2
- 2109 C2
- 2110 C2
- 2111 C2
- 2112 D1
- 2114 F3
- 2115 F3
- 2116 F3
- 2117 A3
- 2118 B3
- 2119 B3
- 2120 C2
- 2122 D2
- 2123 A2
- 2124 A2
- 2125 G3
- 2126 F3
- 2127 G3
- 2128 F3
- 2129 B3
- 2130 C3
- 3100 E1
- 3101 F1
- 3102 F1
- 3103 F1
- 3104 F1
- 3105 F1
- 3106 F1
- 3107 F1
- 3108 F2
- 3109 F2
- 3110 F2
- 3111 F2
- 3112 F2
- 3113 F2
- 3114 F2
- 3115 F2
- 3116 E2
- 3117 F2
- 3118 E2
- 3119 F2
- 3120 E2
- 3121 F2
- 3122 E2
- 3123 F2
- 3124 E3
- 3125 D1
- 3126 C1
- 3128 D2
- 3129 D2
- 3130 D1
- 3131 D1
- 3132 D1
- 3133 C3
- 3134 C2
- 3135 C2
- 3136 C2
- 3138 C1
- 3139 C1
- 3141 D3
- 3142 A3
- 3143 A3
- 3144 B3
- 3145 A2
- 3146 B2
- 3150 C3
- 3151 C3
- 3152 C3
- 3153 G3
- 3154 E3
- 3155 B3
- 3156 B3
- 3157 E3
- 3158 E3
- 3159 D2
- 3160 D1
- 3161 C1
- 3162 C1
- 4101 C3
- 4102 G3
- 4103 B3
- 4104 F3
- 4105 G2
- 4106 A1
- 4130 C1
- 4131 C2
- 4132 G1
- 4133 F1
- 4134 F1
- 4135 F1
- 4136 F1
- 4137 D3
- 4138 D1
- 4140 F1
- 4141 F1
- 5100 C1
- 6104 D3
- 6110 E1
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- 6114 E1
- 6115 F1
- 6116 F1
- 6117 F1
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- 7102 B2
- 7103 E1
- 7104 D2

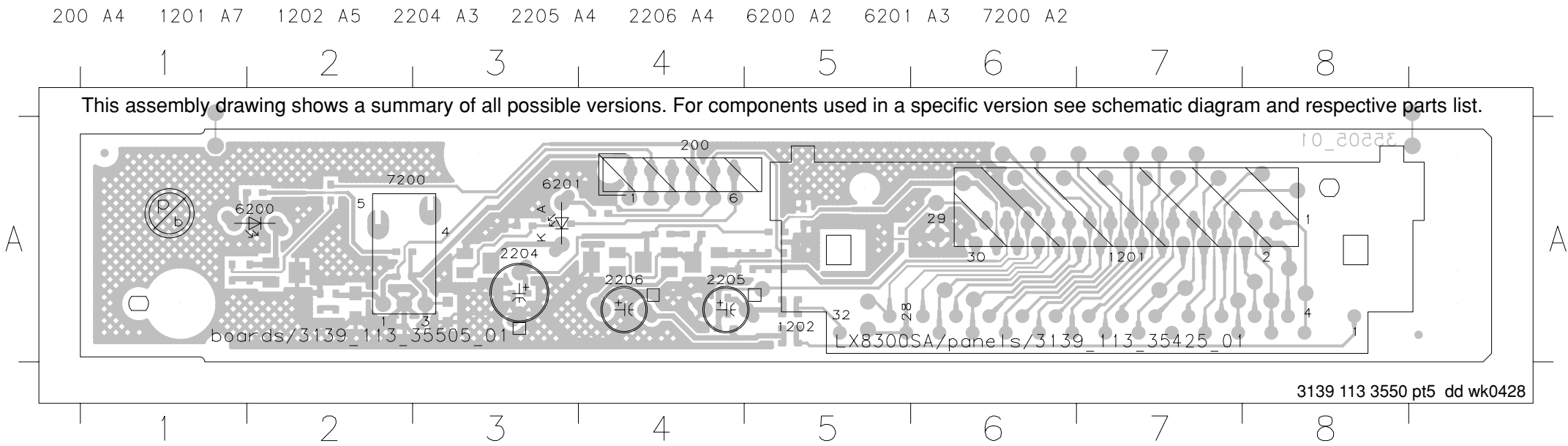
FRONT BOARD - CIRCUIT DIAGRAM



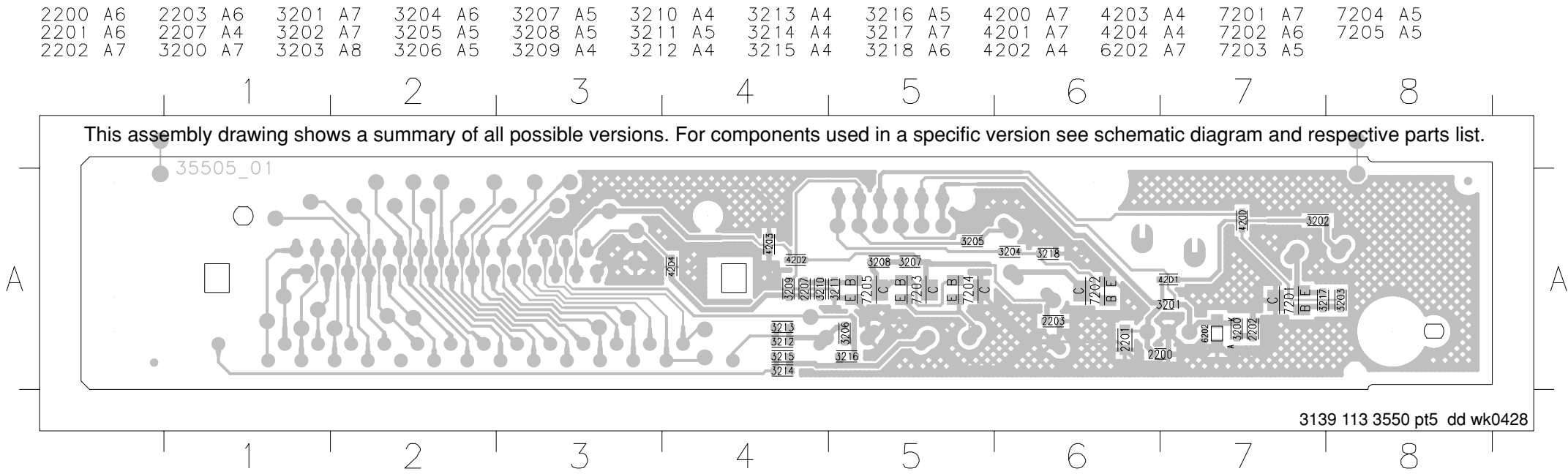
- 1100 B1
- 1101 C1
- 1102 D1
- 1103 G2
- 1107 A9
- 1120 B11
- 1121 B11
- 2100 E4
- 2101 E4
- 2102 D3
- 2103 D3
- 2104 H4
- 2105 G6
- 2106 H8
- 2107 H8
- 2108 H8
- 2109 I9
- 2110 H10
- 2111 H10
- 2112 E11
- 2113 E12
- 2114 G2
- 2115 G2
- 2116 G2
- 2117 C11
- 2118 C12
- 2119 F1
- 2120 H9
- 2121 G7
- 2122 H9
- 2123 B4
- 2124 B3
- 2125 B3
- 2126 C2
- 2127 H1
- 2128 H2
- 2129 E2
- 2130 F2
- 3100 D10
- 3101 C10
- 3102 C10
- 3103 C10
- 3104 C10
- 3105 C10
- 3106 D10
- 3107 D9
- 3108 D8
- 3109 D8
- 3110 D8
- 3111 D8
- 3112 D8
- 3113 D7
- 3114 D7
- 3115 D7
- 3116 E7
- 3117 E7
- 3118 E7
- 3119 E6
- 3120 E7
- 3121 E6
- 3122 E6
- 3123 F6
- 3124 F6
- 3125 F11
- 3126 F11
- 3128 G8
- 3129 G9
- 3130 H10
- 3131 H10
- 3132 H10
- 3133 G10
- 3134 H9
- 3135 H10
- 3136 H10
- 3138 F12
- 3139 F12
- 3141 G6
- 3142 B11
- 3143 C12
- 3144 C12
- 3145 C12
- 3146 C13
- 3150 G4
- 3151 G4
- 3152 G4
- 3153 G3
- 3154 G4
- 3155 H4
- 3156 I4
- 3157 H3
- 3158 H3
- 3159 I8
- 3160 F11
- 3161 F11
- 3162 G10
- 4101 E2
- 4102 H4
- 4103 E2
- 5100 H11
- 5101 H9
- 5102 H8
- 6100 D2
- 6101 D2
- 6102 E3
- 6103 H11
- 6104 G6
- 6110 D10
- 6111 D10
- 6112 D10
- 6113 D9
- 6114 D9
- 6115 D9
- 6116 C9
- 6117 C10
- 6118 C10
- 6119 C9
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- 7104 I8
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- 9132 I11

* PROVISION

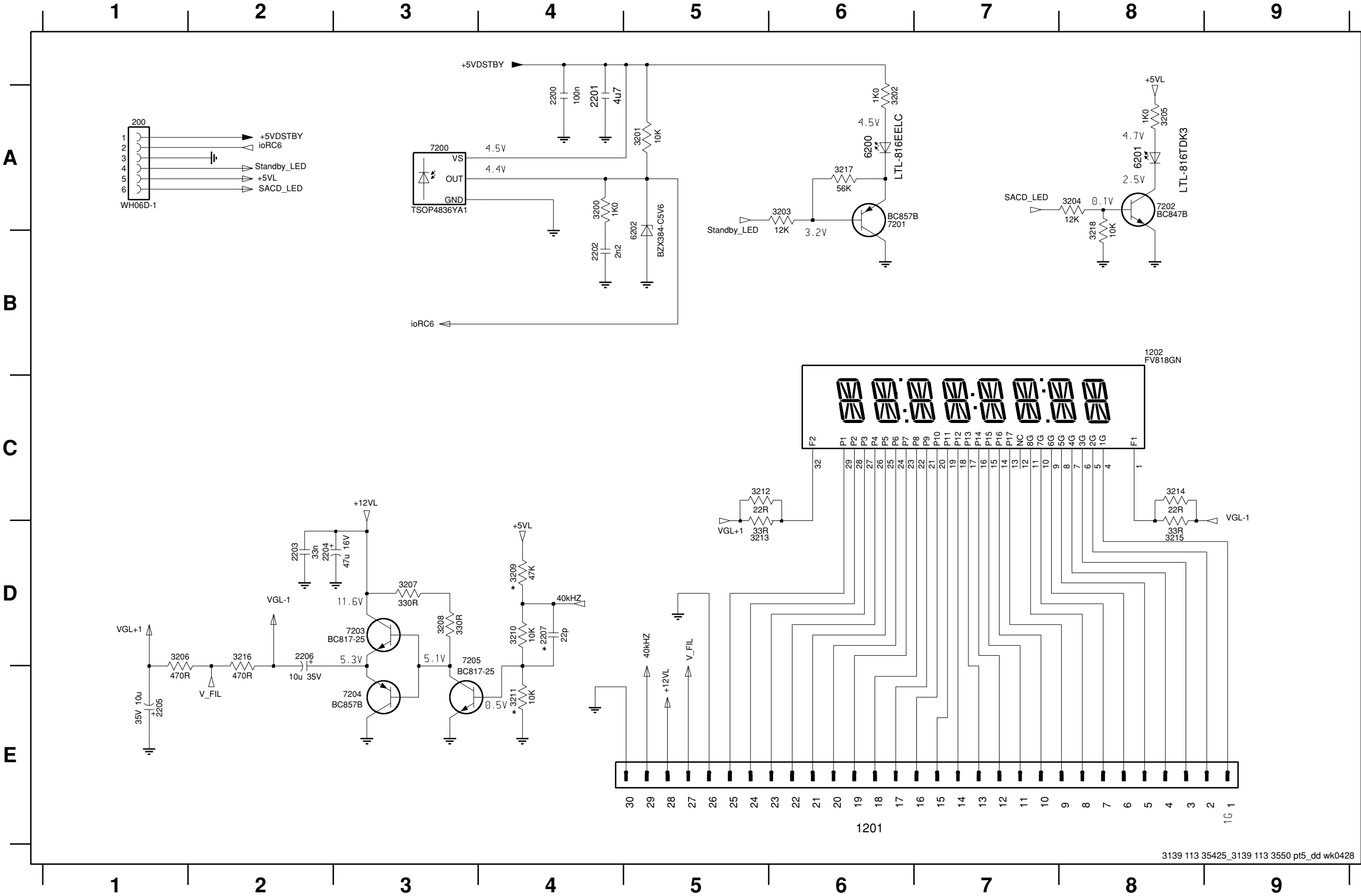
IR/FTD/LED BOARD - COMPONENT LAYOUT



IR/FTD/LED BOARD - CHIP LAYOUT

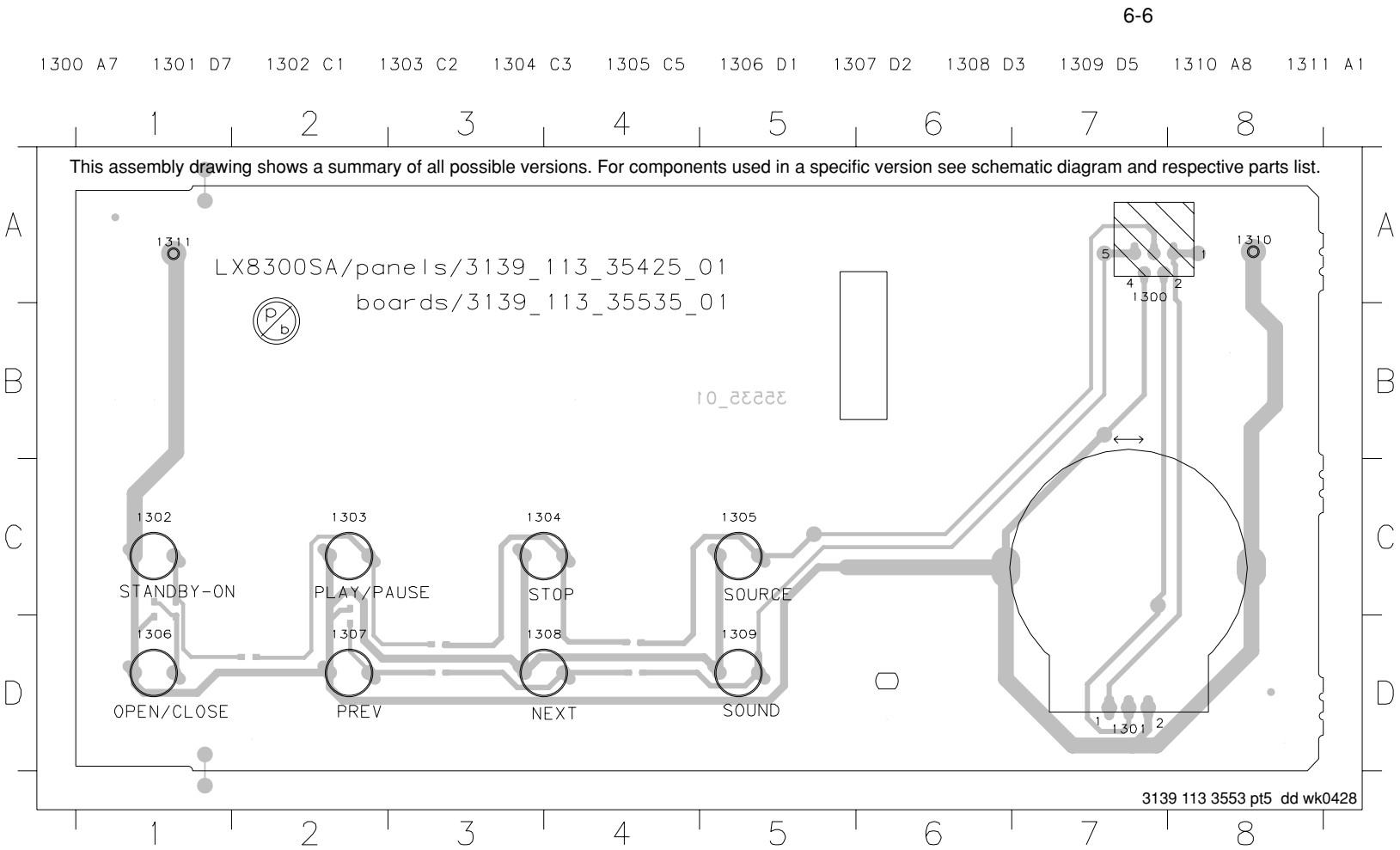


IR/FTD/LED BOARD - CIRCUIT DIAGRAM

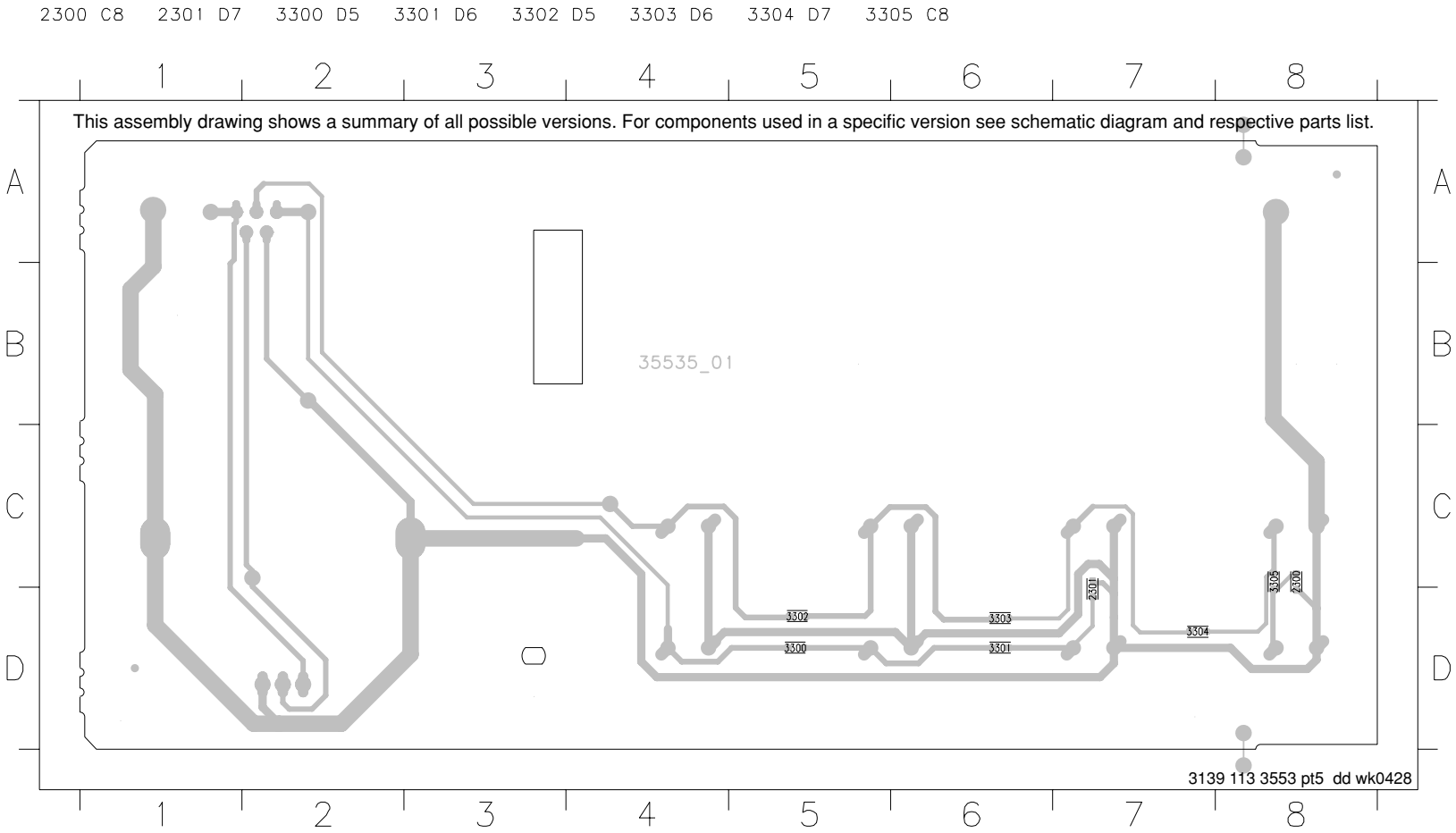


- 200 A1
- 1201 E6
- 1202 B8
- 2200 A4
- 2201 A4
- 2202 B4
- 2203 D2
- 2204 D2
- 2205 E1
- 2206 D2
- 2207 D4
- 3200 A4
- 3201 A5
- 3202 A6
- 3203 A6
- 3204 A8
- 3205 A8
- 3206 D1
- 3207 D3
- 3208 D3
- 3209 D4
- 3210 D4
- 3211 E4
- 3212 C5
- 3213 D5
- 3214 C8
- 3215 D8
- 3216 D2
- 3217 A6
- 3218 B8
- 6200 A6
- 6201 A8
- 6202 B5
- 7200 A3
- 7201 A6
- 7202 A8
- 7203 D3
- 7204 E3
- 7205 D4

FRONT KEY BOARD - COMPONENT LAYOUT



FRONT KEY BOARD - CHIP LAYOUT



ELECTRICAL PARTS LIST - FRONT BOARD



6113	4822 130 11397	BAS316
6114	4822 130 11397	BAS316
6115	4822 130 11397	BAS316
6116	4822 130 11397	BAS316
6117	4822 130 11397	BAS316
6118	4822 130 11397	BAS316
6119	4822 130 11397	BAS316
6120	4822 130 11397	BAS316
6121	4822 130 11397	BAS316

TRANSISTORS & INTEGRATED CIRCUITS

7101	5322 130 60159	BC847B
7102	5322 130 60159	BC847B
7103	3139 240 50941	TMP87CM74AF - 'LX8300S50941'
7104	5322 130 60159	BC847B

ELECTRICAL PARTS LIST - IR/FTD/LED BOARD

7201	4822 130 60373	BC857B
7202	5322 130 60159	BC847B
7203	4822 130 42804	BC817-25
7204	4822 130 60373	BC857B
7205	4822 130 42804	BC817-25

Note : Only the parts mentioned in this list are normal service spare parts.

Note : Only the parts mentioned in this list are normal service spare parts.

Note : Only the parts mentioned in this list are normal service spare parts.

Note : Only the parts mentioned in this list are normal service spare parts.

1307	4822 276 13775	TACT SWITCH
1308	4822 276 13775	TACT SWITCH
1309	4822 276 13775	TACT SWITCH

Note : Only the parts mentioned in this list are normal service spare parts.

BRIEF INTRODUCTION OF THE AV BOARD

The AV Board consists of the following features :

- a. IC CS42418
IC CS42418 acts as both DAC and ADC. It accepts PCM data at sample rate from 4kHz to 192kHz audio data. The analog output is then fed into the Op-Amps which are used to filter and amplify the 6-channel signals before passing them onto the Power-Amp module.

There are eight 24 bit DAC within this chip, 6 of those are dedicated to the 6-channel output, the other 2 are used for LINE OUT signal.

This chip has 24 bit ADC. The internal stereo ADC is capable of independent gain control for single ended or differential analog input. The digital output line ADC_SDOUT is then passed on to the MTK of the SD6.3 module. CS42418 is controlled by the SD6.3 module via the I²C bus.

- b. IC HEF4052BT
The selection of TUNER, TV INPUT, AUX INPUT is made by IC HEF4052BT which acts as a multiplexer.

- c. Video signals are buffered (not for all versions) before connecting to the TV.

- d. YUV OUT
YUV OUT with cinch socket for connection to TV. Progressive Y Pb Pr is selected through RC.

- e. LINE OUT
LINE OUT with cinch socket for connection to external amplifier.

- f. SCART
SCART output for audio/video connection to TV (not for all versions).

- g. S-Video and CVBS
S-Video and CVBS are used for video connection to the TV.

- h. DIGITAL IN
DIGITAL IN with cinch socket for connection to DIGITAL OUT of other audio equipments.
The Digital_in source is fed to the SD6.3 module for audio decoding.

AV BOARD

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Circuit Diagram (Part 6) 7-9

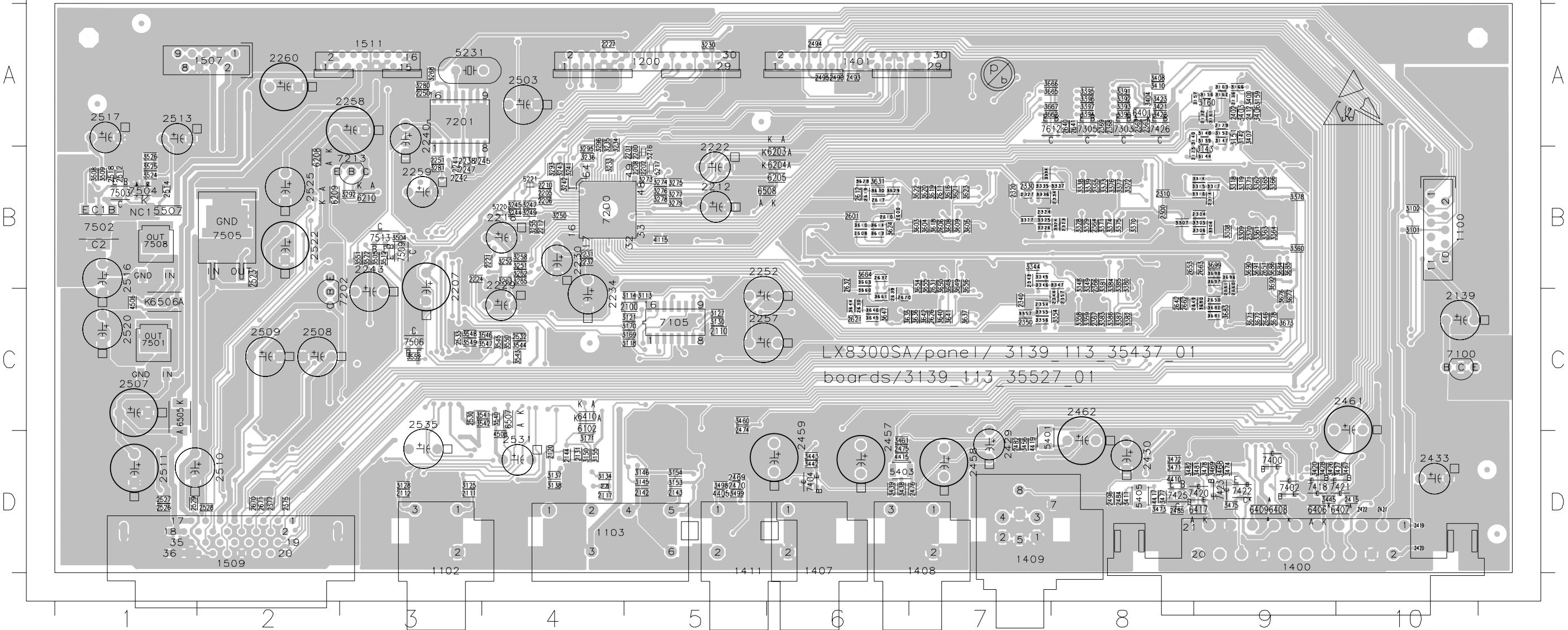
Electrical parts list 7-10

AV BOARD - TOP VIEW LAYOUT

1100 B10	2200 B5	2251 B3	2368 A8	2485 D8	2532 C4	2660 C9	3148 A9	3247 B4	3308 B9	3356 C7	3390 A8	3456 D7	3542 C4	3629 B6	3672 C9	5217 B5	7200 B4
1102 D3	2201 B5	2252 B5	2369 A8	2490 A6	2533 C3	2661 C9	3150 D4	3249 B4	3309 B9	3357 C7	3391 A8	3460 C5	3543 C4	3630 B6	3673 C9	5220 B4	7201 A3
1103 D4	2202 B5	2257 C5	2370 B9	2493 A6	2535 C3	2662 C8	3151 A9	3250 B4	3314 B9	3358 C8	3392 A8	3461 D6	3544 C4	3631 B6	3676 C9	5221 B4	7202 C3
1200 A5	2205 B4	2258 A3	2371 B9	2494 A6	2600 B6	2663 B9	3152 A9	3251 B4	3315 B9	3359 C8	3393 A8	3467 D10	3545 C4	3635 C6	3677 C9	5231 A3	7213 B3
1400 D9	2206 B4	2259 B3	2375 D2	2495 A6	2601 B6	2670 D2	3153 D5	3252 B4	3316 B9	3360 B9	3394 A8	3468 D9	3546 C4	3636 C7	3678 C9	5401 D7	7303 A8
1401 A6	2207 B3	2260 A2	2377 D2	2496 D8	2606 B7	2671 D2	3154 D5	3255 B4	3317 B9	3361 B9	3395 A8	3469 D9	3547 C7	3637 C7	3680 C9	5403 D6	7305 A8
1407 D6	2208 B5	2300 B8	2402 A9	2503 A4	2608 B6	3101 B10	3155 D4	3258 B4	3318 B9	3362 B9	3396 A8	3471 D8	3548 C3	3640 C7	3681 C9	5405 D8	7400 D9
1408 D7	2210 B4	2304 B9	2412 A9	2507 C1	2610 B6	3102 B10	3156 A9	3262 B4	3319 B9	3363 B9	3397 A8	3472 D8	3549 C3	3641 C7	3682 C9	5507 B1	7402 D9
1409 D7	2212 B5	2310 B8	2415 D10	2508 C2	2611 B7	3113 C5	3157 A9	3263 B4	3324 B8	3364 B9	3400 A9	3473 D8	3550 C4	3642 C7	3683 C9	6102 C4	7404 D6
1411 D5	2217 B4	2314 B9	2419 D10	2509 C2	2612 B6	3114 C5	3159 A9	3265 B4	3325 B7	3365 B9	3403 A9	3474 D9	3551 B3	3644 C6	3684 B9	6203 B6	7418 D9
1507 A2	2218 B4	2320 B7	2420 D10	2510 D2	2617 B6	3118 C5	3160 A9	3268 A3	3326 B7	3366 B9	3404 A8	3475 D9	3552 C3	3645 C6	3685 B9	6204 B6	7420 D9
1509 D2	2221 B4	2323 B8	2421 D10	2511 D1	2619 B6	3121 C5	3161 A9	3273 B5	3327 B7	3370 B8	3406 A9	3477 D8	3553 B7	3646 C6	3686 B9	6205 B6	7421 D10
1511 A3	2222 B5	2324 B7	2422 D10	2512 B1	2620 C6	3125 D3	3162 A9	3274 B5	3328 B8	3371 B8	3407 A9	3478 D9	3554 B7	3647 C6	3690 B9	6208 B2	7422 D9
2100 C5	2224 B3	2327 B7	2429 D7	2513 A1	2621 C6	3127 C5	3163 A9	3275 B5	3329 B8	3372 B8	3408 A8	3481 D9	3555 B7	3648 B7	3691 B9	6209 B2	7423 D9
2110 C5	2227 A4	2330 B7	2430 D8	2514 B1	2626 C7	3128 D3	3166 A9	3276 B5	3334 B7	3373 B8	3410 A8	3482 D8	3556 B7	3649 B7	3692 B9	6210 B3	7425 D8
2111 D3	2229 B4	2334 B8	2433 D10	2516 B1	2630 C6	3130 C5	3169 C5	3277 B5	3335 B7	3374 B8	3411 D8	3498 D5	3557 B7	3650 B7	3696 B9	6401 A8	7426 A8
2112 D3	2230 B4	2340 C7	2457 D6	2517 A1	2631 B7	3134 D4	3170 C5	3278 B5	3336 B7	3375 B8	3420 D9	3499 D5	3558 B6	3654 B7	3697 B9	6406 D9	7501 C1
2117 D4	2231 B4	2343 B7	2458 D7	2518 B1	2632 B6	3135 D4	3171 D4	3279 B5	3337 B8	3376 B8	3421 A8	3504 B3	3559 B7	3655 B7	3698 B9	6407 D10	7502 B1
2120 D4	2234 C4	2344 C8	2459 D6	2520 C1	2637 B6	3137 D4	3230 A5	3280 A3	3338 B8	3377 B8	3422 A8	3505 B3	3560 B6	3656 B7	3699 B9	6408 D9	7503 B1
2125 B8	2237 B4	2350 C7	2461 C10	2522 B2	2639 C6	3138 D4	3233 B4	3281 B3	3339 B8	3378 B9	3423 A8	3508 B1	3561 B7	3660 C6	4115 B5	6409 D9	7504 B1
2129 A9	2238 B3	2354 C7	2462 C8	2523 B2	2640 A8	3139 A9	3234 A4	3292 B3	3344 B7	3380 B8	3426 D9	3509 B1	3562 B7	3661 C6	4405 D5	6410 C4	7505 B2
2131 D4	2240 A3	2357 C8	2469 D5	2525 B2	2641 A8	3140 A8	3235 A4	3293 B4	3345 B7	3381 B8	3427 D10	3512 B3	3563 B7	3662 A7	4410 D8	6417 D9	7506 C3
2132 A9	2241 B3	2362 A8	2470 D5	2526 D1	2642 C8	3142 A9	3236 B4	3295 B4	3346 B7	3382 C8	3428 D9	3522 B3	3564 B7	3663 B6	4415 D6	6505 C1	7508 B1
2136 A9	2242 B3	2363 A8	2474 C5	2527 D1	2646 C9	3143 B9	3241 B4	3296 A4	3347 B8	3383 C8	3438 D6	3524 B1	3565 B6	3664 B6	4417 D8	6506 C1	7509 B3
2139 C10	2243 B3	2364 B8	2475 D6	2528 D2	2649 C9	3144 B9	3242 B4	3304 B9	3348 B8	3384 B8	3439 D6	3525 B1	3566 B7	3665 A7	4419 D7	6507 C4	7513 B3
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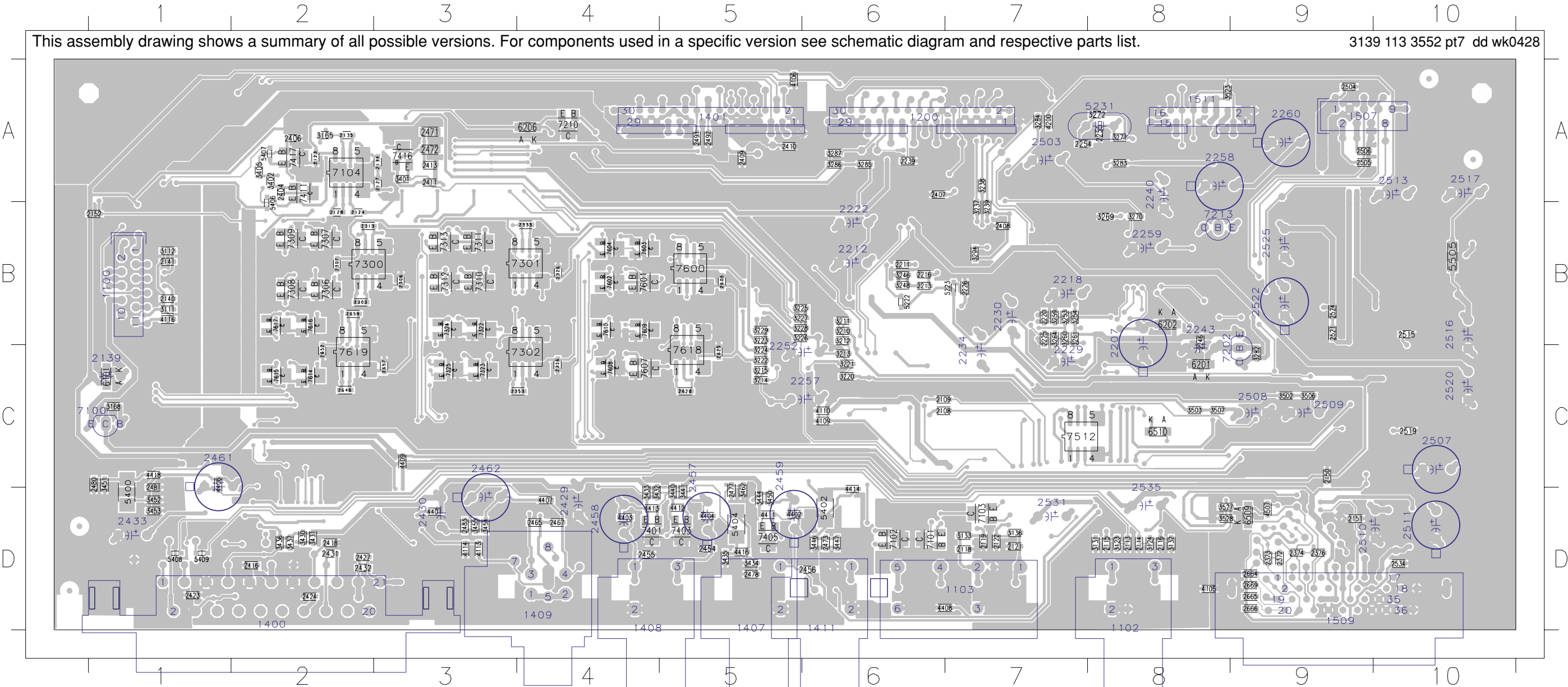
This assembly drawing shows a summary of all possible versions. For components used in a specific version see schematic diagram and respective parts list.

3139 113 3552 pt7 dd wk0428



AV BOARD - BOTTOM VIEW LAYOUT

1100 B1	1200 A6	1407 D5	1411 D6	1511 A8	2212 B6	2229 B7	2240 A8	2257 C6	2260 A9	2433 D1	2459 D5	2503 A7	2509 C9	2513 A10	2520 C10	2531 D7	7100 C1
1102 D8	1400 D2	1408 D4	1507 A9	2139 C1	2218 B7	2230 B7	2243 B8	2258 A8	2429 D4	2457 D5	2461 C1	2507 C10	2510 D9	2516 B10	2522 B9	2535 C8	7202 C8
1103 D7	1401 A5	1409 D4	1509 D9	2207 B8	2222 B6	2234 C7	2252 B6	2259 B8	2430 D3	2458 D4	2462 C3	2508 C9	2511 D10	2517 A10	2525 B9	5231 A8	7213 B8
2108 C6	2134 A3	2246 B8	2376 D9	2431 D2	2483 D3	2648 C2	3133 D7	3224 C5	3260 B7	3401 A3	3446 D6	3527 D8	4406 C1	5402 D6	7102 D6	7313 B3	7602 B4
2109 C6	2135 A2	2254 A7	2404 A2	2432 D2	2491 A5	2652 C2	3136 D7	3225 B5	3261 B7	3402 A2	3447 D6	3528 D8	4407 D4	5404 D5	7103 D7	7322 B3	7603 B4
2113 D8	2140 B1	2255 A8	2406 A2	2454 D5	2492 A5	2657 C3	3165 A2	3226 B5	3264 B7	3405 A2	3450 D5	4105 D8	4408 D6	5406 B2	7104 A2	7323 C3	7604 B4
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2119 D7	2211 B6	2326 B4	2411 A3	2471 A3	2519 C10	2669 D9	3213 C6	3238 A7	3282 C9	3434 D5	3455 D3	4114 D3	4414 D6	6101 C1	7306 B2	7405 D5	7614 C2
2121 D7	2213 B6	2333 B4	2413 A3	2472 A3	2521 B9	3111 B1	3214 C5	3239 B7	3283 A8	3435 D5	3462 D5	4116 B1	4416 D5	6201 C8	7307 B2	7411 A2	7615 C2
2122 D7	2216 B6	2353 C4	2416 D2	2473 D6	2524 B9	3112 B1	3215 C5	3246 B6	3284 A7	3436 D2	3502 C9	4200 A7	4418 C1	6202 B8	7308 B2	7416 A3	7616 B2
2123 A2	2220 B7	2356 C4	2418 D2	2477 D5	2534 D10	3123 D8	3220 C6	3248 B6	3285 A6	3437 D2	3503 C8	4401 D3	4507 D9	6206 A4	7309 B2	7417 A2	7617 B2
2124 B2	2225 B7	2372 D9	2423 D1	2478 D5	2605 B5	3124 D8	3221 C6	3253 B7	3286 A6	3440 D5	3506 C9	4402 D5	5222 B6	6509 D9	7310 B3	7512 C7	7618 C5
2127 A3	2226 B7	2373 D9	2424 D2	2480 C1	2625 C5	3131 D8	3222 C5	3254 B7	3287 A6	3441 D5	3507 C8	4403 D4	5223 B7	6510 C8	7311 B3	7600 B5	7619 C2
2128 B2	2239 A6	2374 D9	2427 D2	2481 D1	2628 C5	3132 D8	3223 B5	3259 B7	3294 B7	3444 D5	3523 A8	4404 D5	5400 D1	7101 D6	7312 B3	7601 B4	



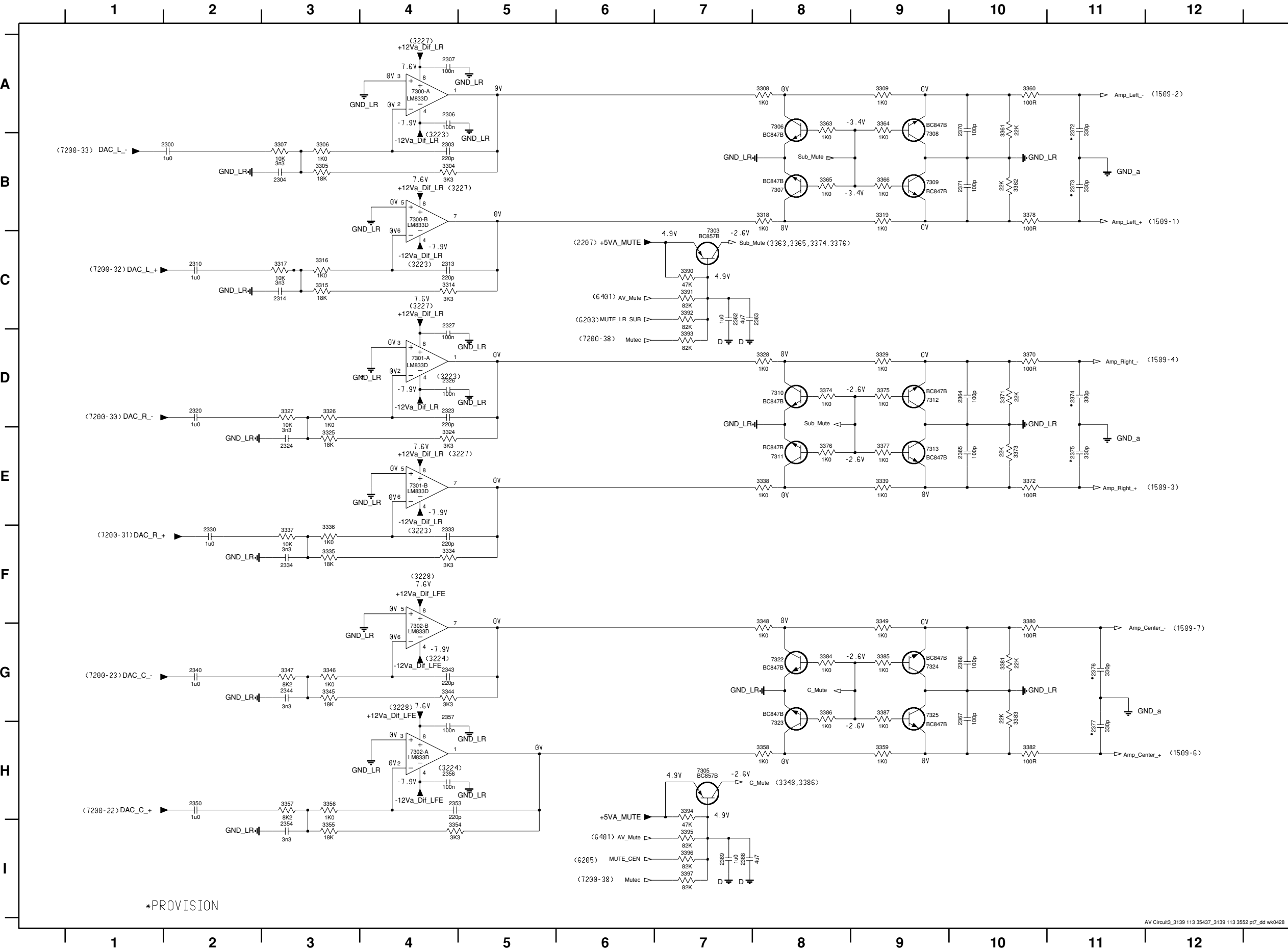
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2140 B5
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3113 A10
3114 B10
3118 C9
3121 D9
3123 C3
3124 C3
3125 D2
3127 E9
3128 D2
3130 E9
3131 D5
3132 D5
3133 E4
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3159 H7
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3165 I8
3166 I9
3167 B3
3169 C9
3170 D9
3171 H6
4105 E2
4106 D12
4109 E13
4110 E13
4113 E11
4114 D11
4115 E12
4116 C6
6101 B3
6102 H6
7100 B3
7101 G4
7102 H4
7103 G5
7104 A G8
7104-B H8
7105 B8

[illegible]

2000 C1 3292 G13
2000 A10 3293 B5
2001 A9 3294 B5
2002 A10 3295 A5
2005 B2 3296 A7
2006 B3 4200 F2
2007 F13 5216 A10
2008 A9 5217 A10
2010 B6 5220 B2
2121 C12 5221 B4
2121 C12 5222 C13
2121 C11 5223 E8
2121 C11 5231 I5
2127 C6 6201 F12
2128 D4 6202 F13
2220 D4 6203 B3
2221 D4 6204 B3
2222 C3 6205 C13
2224 E4 6206 F4
2225 E4 6208 G12
2226 E8 6209 G13
2227 D2 6210 H13
2229 E4 7200 C8
2230 E6 7201 G6
2231 E6 7202 F12
2234 E7 7210 F4
2237 F7 7213 G13
2238 F4
2239 F1
2240 F4
2241 G6
2242 G7
2243 F12
2245 G6
2246 F12
2247 G6
2250 H2
2251 H3
2252 H9
2254 I5
2255 I5
2257 H9
2258 G12
2259 H13
2260 G12
2260 G12
2261 G8
2262 G9
2263 G9
2264 I9
2265 I9
2269 I8
2272 H10
2273 I10
2274 I10
2275 G9
2276 G9
2277 G9
2278 H9
2279 I10
2280 H2
2283 A4
2287 A7
2288 A7
2289 A6
2291 B6
2292 B5
2293 A6
2294 B3
2295 B3
2296 C12
2297 C6
2298 C12
2299 C6
2300 C6
2301 C4
2302 C4
2303 C5
2304 C5
2305 C6
2306 D4
2307 D5
2308 D6
2309 D6
2310 D6
2311 D6
2312 D6
2313 D6
2314 D6
2315 D6
2316 D6
2317 D6
2318 D6
2319 D6
2320 D6
2321 D6
2322 D6
2323 D6
2324 D6
2325 D6
2326 D6
2327 D6
2328 D6
2329 D6
2330 D6
2331 D6
2332 D6
2333 D6
2334 D6
2335 D6
2336 D6
2337 D6
2338 D6
2339 D6
2340 D6
2341 D6
2342 D6
2343 D6
2344 D6
2345 D6
2346 D6
2347 D6
2348 D6
2349 D6
2350 D6
2351 D6
2352 D6
2353 D6
2354 D6
2355 D6
2356 D6
2357 D6
2358 D6
2359 D6
2360 D6
2361 D6
2362 D6
2363 D6
2364 D6
2365 D6
2366 D6
2367 D6
2368 D6
2369 D6
2370 D6
2371 D6
2372 D6
2373 D6
2374 D6
2375 D6
2376 D6
2377 D6
2378 D6
2379 D6
2380 D6
2381 D6
2382 D6
2383 D6
2384 D6
2385 D6
2386 D6
2387 D6

AV BOARD - CIRCUIT DIAGRAM (PART 3)

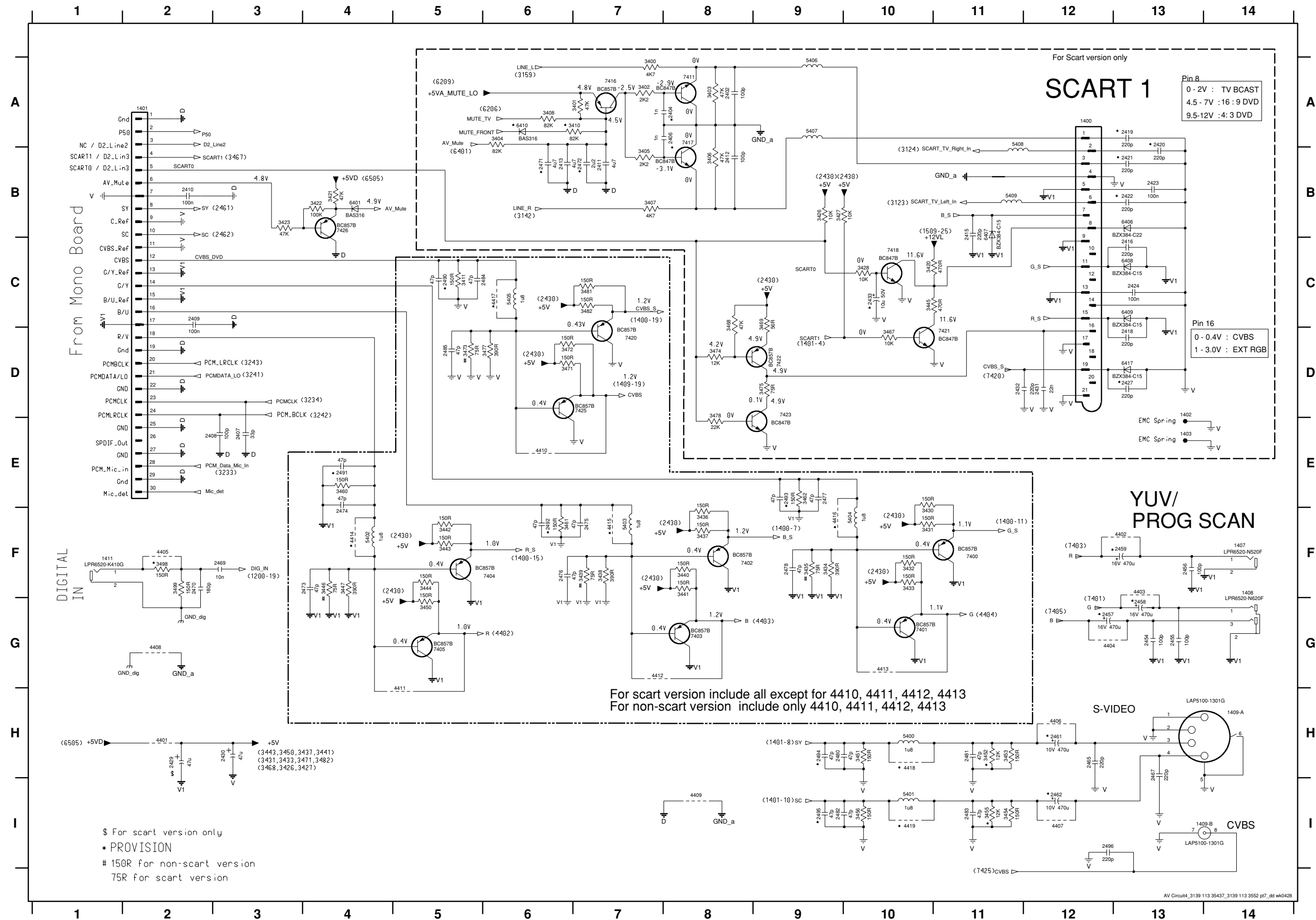


*PROVISION

AV Circuit3_3139 113 35437_3139 113 3552 pf7_dd wk0428

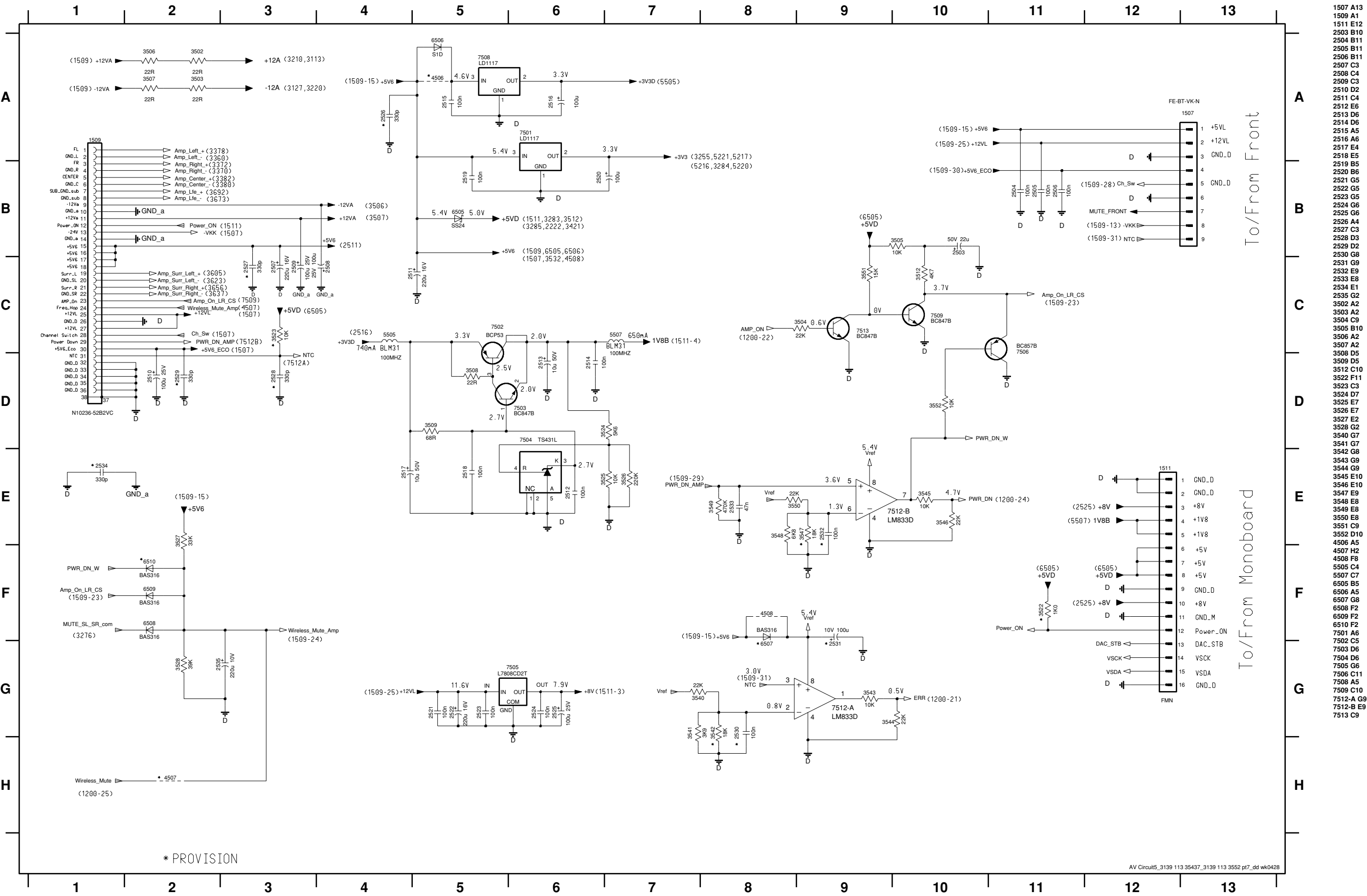
2300 B2	7301-A D4
2303 B4	7301-B E4
2304 B3	7302-A H4
2306 A4	7302-B G4
2307 A4	7303 C7
2310 C2	7305 H7
2313 C4	7306 A8
2314 C3	7307 B8
2320 D2	7308 A9
2323 D4	7309 B9
2324 E3	7310 D8
2326 D4	7311 E8
2327 C4	7312 D9
2330 F2	7313 E9
2333 F4	7322 G8
2334 F3	7323 G8
2340 G2	7324 G9
2343 G4	7325 G9
2344 G3	
2350 H2	
2353 H4	
2354 I3	
2356 H4	
2357 G4	
2362 C7	
2363 C8	
2364 D10	
2365 E10	
2366 G10	
2367 G10	
2368 I7	
2369 I7	
2370 A10	
2371 B10	
2372 A11	
2373 B11	
2374 D11	
2375 E11	
2376 G11	
2377 H11	
3304 B4	
3305 B3	
3306 B3	
3307 B3	
3308 A8	
3309 A9	
3314 C4	
3315 C3	
3316 C3	
3317 C3	
3318 B8	
3319 B9	
3324 E4	
3325 E3	
3326 D3	
3327 D3	
3328 D8	
3329 D9	
3334 F4	
3335 F3	
3336 E3	
3337 F3	
3338 E8	
3339 E9	
3344 G4	
3345 G3	
3346 G3	
3347 G3	
3348 F8	
3349 F9	
3354 I4	
3355 I3	
3356 H3	
3357 H3	
3358 H8	
3359 H9	
3360 A10	
3361 A10	
3362 B10	
3363 A8	
3364 A9	
3365 B8	
3366 B9	
3370 D10	
3371 D10	
3372 E10	
3373 E10	
3374 D8	
3375 D9	
3376 E8	
3377 E9	
3378 B10	
3380 F10	
3381 G10	
3382 H10	
3383 G10	
3384 G8	
3385 G9	
3386 G8	
3387 G9	
3390 C7	
3391 C7	
3392 C7	
3393 D7	
3394 H7	
3395 I7	
3396 I7	
3397 I7	
7300-A A4	
7300-B B4	

AV BOARD - CIRCUIT DIAGRAM (PART 4)



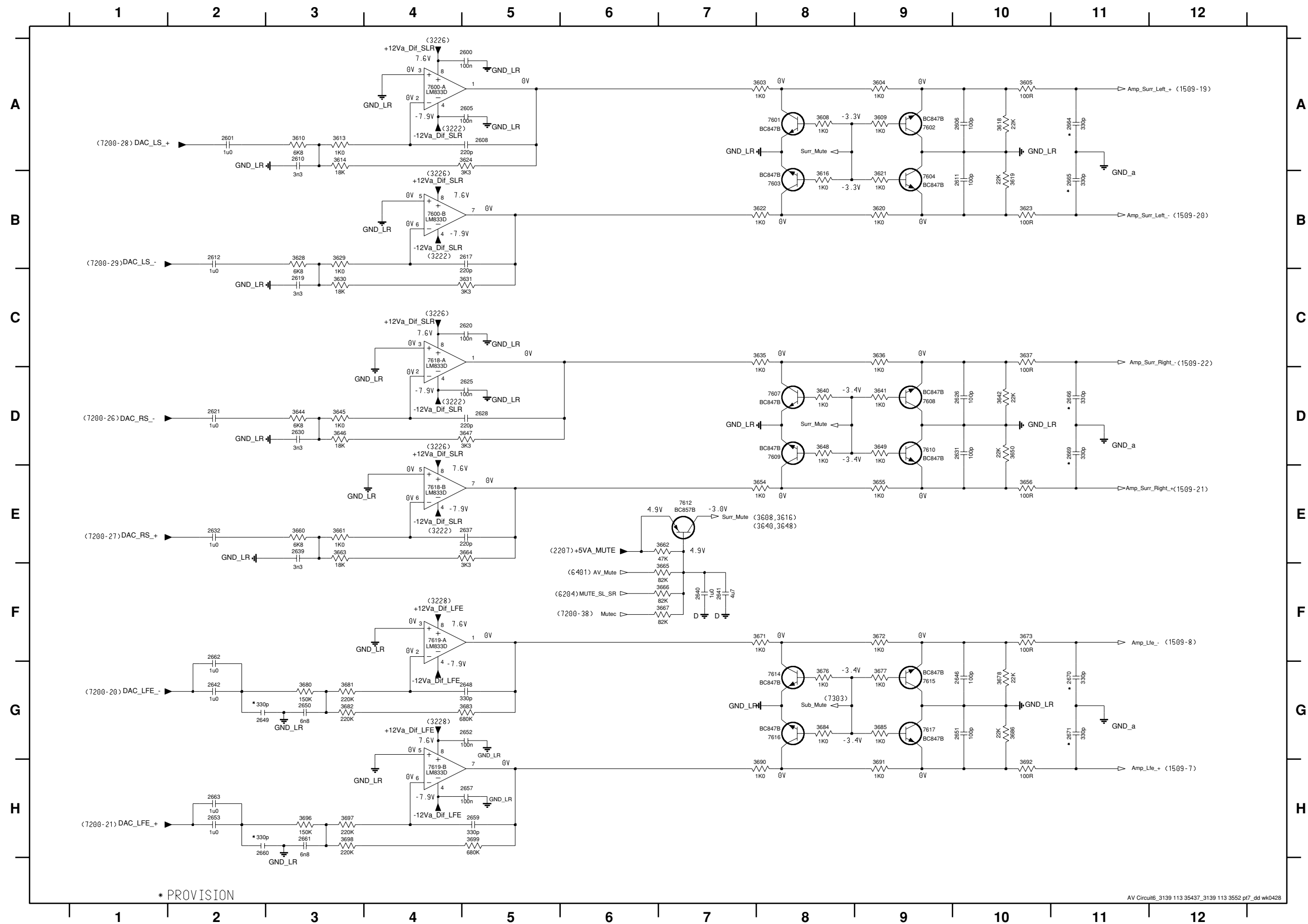
1400 A12	3471 D6
1401 A2	3472 D6
1402 D13	3473 D5
1403 E13	3474 D8
1407 F14	3475 D9
1408 F14	3477 D6
1409-A H14	3478 D8
1409-B H14	3481 C7
1411 F1	3482 C7
2402 AB	3498 F2
2404 AB	3499 F2
2406 AB	4401 H2
2407 E3	4402 F13
2408 E2	4403 F13
2409 C2	4404 G12
2410 B2	4405 F2
2411 B7	4406 H12
2412 B8	4407 I12
2413 B6	4408 G2
2415 B11	4409 I8
2416 C13	4410 E6
2418 D13	4411 H5
2419 A13	4412 G7
2420 A13	4413 G10
2421 B13	4414 F4
2422 B13	4415 F7
2423 B13	4416 F9
2424 C13	4417 C6
2427 D13	4418 H10
2429 H2	4419 I10
2430 H3	5400 H10
2431 D12	5401 I10
2432 D11	5402 F4
2433 C10	5403 F7
2454 G13	5404 F10
2455 G13	5405 C6
2456 F13	5406 A9
2457 G12	5407 A9
2458 G13	5408 A11
2459 F13	5409 B11
2461 H12	6401 B4
2462 I12	6406 B13
2465 H12	6407 B11
2467 H13	6408 C13
2469 F3	6409 C13
2470 F2	6410 A6
2471 B6	6417 D13
2472 B7	7400 F11
2473 F4	7401 G10
2474 F4	7402 F8
2475 F7	7403 G8
2476 F6	7404 F6
2477 E9	7405 G5
2478 F9	7411 A8
2480 H9	7416 A7
2481 H11	7417 A8
2482 I9	7418 C10
2483 I11	7420 D7
2484 C5	7421 D11
2485 D5	7422 D9
2490 C5	7423 D9
2491 E4	7425 D7
2492 F6	7426 B4
2493 E9	
2494 H9	
2495 I9	
2496 I12	
3400 A7	
3401 A7	
3402 A7	
3403 A8	
3404 A6	
3405 B7	
3406 B8	
3407 B7	
3408 A6	
3410 A7	
3411 C5	
3420 C10	
3421 B4	
3422 B4	
3423 B3	
3426 B9	
3427 B9	
3428 C10	
3430 F10	
3431 F10	
3432 F10	
3433 F10	
3434 F9	
3435 F9	
3436 F8	
3437 F8	
3438 F7	
3439 F7	
3440 F8	
3441 F8	
3442 F5	
3443 F5	
3444 F5	
3445 C10	
3446 F4	
3447 F4	
3450 G5	
3451 H10	
3452 H11	
3453 H11	
3454 I11	
3455 I11	
3456 I10	
3460 E4	
3461 F6	
3462 E9	
3467 D10	
3468 C8	
3469 C9	

AV BOARD - CIRCUIT DIAGRAM (PART 5)



- 1507 A13
- 1509 A1
- 1511 E12
- 2503 B10
- 2504 B11
- 2505 B11
- 2506 B11
- 2507 C3
- 2508 C4
- 2509 C3
- 2510 D2
- 2511 C4
- 2512 E6
- 2513 D6
- 2514 D6
- 2515 A5
- 2516 A6
- 2517 E4
- 2518 E5
- 2519 B5
- 2520 B6
- 2521 G5
- 2522 G5
- 2523 G5
- 2524 G6
- 2525 G6
- 2526 A4
- 2527 C3
- 2528 D3
- 2529 D2
- 2530 G8
- 2531 G9
- 2532 E9
- 2533 E8
- 2534 E1
- 2535 G2
- 3502 A2
- 3503 A2
- 3504 C9
- 3505 B10
- 3506 A2
- 3507 A2
- 3508 D5
- 3509 D5
- 3512 C10
- 3522 F11
- 3523 C3
- 3524 D7
- 3525 E7
- 3526 E7
- 3527 E2
- 3528 G2
- 3540 G7
- 3541 G7
- 3542 G8
- 3543 G9
- 3544 G9
- 3545 E10
- 3546 E10
- 3547 E9
- 3548 E8
- 3549 E8
- 3550 E8
- 3551 C9
- 3552 D10
- 4506 A5
- 4507 H2
- 4508 F8
- 5505 C4
- 5507 C7
- 6505 B5
- 6506 A5
- 6507 G8
- 6508 F2
- 6509 F2
- 6510 F2
- 7501 A6
- 7502 C5
- 7503 D6
- 7504 D6
- 7505 G6
- 7506 C11
- 7508 A5
- 7509 C10
- 7512-A G9
- 7512-B E9
- 7513 C9

AV BOARD - CIRCUIT DIAGRAM (PART 6)



2600 A5	7600-A A4
2601 A2	7600-B B4
2605 A5	7601 A8
2606 A10	7602 A9
2608 A5	7603 B8
2610 A3	7604 B9
2611 B10	7607 D8
2612 B2	7608 D9
2617 B5	7609 D8
2619 C3	7610 D9
2620 C5	7612 E7
2621 D2	7614 G8
2625 D5	7615 G9
2626 D10	7616 G8
2628 D5	7617 G9
2630 D3	7618-A C4
2631 D10	7618-B E4
2632 E2	7619-A F4
2637 E5	7619-B H4
2639 E3	
2640 F7	
2641 F7	
2642 G2	
2646 G10	
2648 G5	
2649 G2	
2650 G3	
2651 G10	
2652 G5	
2653 H2	
2657 H5	
2659 H5	
2660 H2	
2661 H3	
2662 F2	
2663 H2	
2664 A11	
2665 B11	
2666 D11	
2669 D11	
2670 G11	
2671 G11	
3603 A8	
3604 A9	
3605 A10	
3608 A8	
3609 A9	
3610 A3	
3613 A3	
3614 A3	
3616 B8	
3618 A10	
3619 B10	
3620 B9	
3621 B9	
3622 B8	
3623 B10	
3624 A5	
3628 B3	
3629 B3	
3630 C3	
3631 C5	
3635 C8	
3636 C9	
3637 C10	
3640 D8	
3641 D9	
3642 D10	
3644 D3	
3645 D3	
3646 D3	
3647 D5	
3648 D8	
3649 D9	
3650 D10	
3654 E8	
3655 E9	
3656 E10	
3660 E3	
3661 E3	
3662 E7	
3663 E3	
3664 E5	
3665 F7	
3666 F7	
3667 F7	
3671 F8	
3672 F9	
3673 F10	
3676 G8	
3677 G9	
3678 G10	
3680 G3	
3681 G3	
3682 G3	
3683 G5	
3684 G8	
3685 G9	
3686 G10	
3690 H8	
3691 H9	
3692 H10	
3696 H3	
3697 H3	
3698 H3	
3699 H5	

ELECTRICAL PARTS LIST - AV BOARD**MISCELLANEOUS**

1100	4822 267 11039	Flex Connector 11P
1102	2422 026 04754	Socket Cinch 2P (TV in)
1103	2422 026 05462	Soc. Cinch 4P (Aux-in/Line-out)
1200	2422 025 17433	Flex Connector 30P
1200	2422 025 17509	Flex Connector 30P
1401	2422 025 17509	Flex Connector 30P
1401	2422 025 17433	Flex Connector 30P
1407	2422 026 05531	Socket Cinch 1P (Pr)
1408	2422 026 05529	Socket Cinch 2P (Y/Pb)
1409	2422 033 00468	Socket 2P (Video/S-Video)
1411	2422 026 05427	Socket Cinch 1P (Digital in)
1507	2422 025 14518	Flex Connector 9P
1509	2422 025 05561	Socket MDR 36P
1509	2422 025 18466	Socket MDR 36P
1511	2422 025 16525	Flex Connector 16P

COILS & FILTERS

5216	2422 549 43062	IND FXD SM 100MHZ 600R
5217	2422 549 43062	IND FXD SM 100MHZ 600R
5220	2422 549 43062	IND FXD SM 100MHZ 600R
5221	2422 549 43062	IND FXD SM 100MHZ 600R
5222	2422 549 43062	IND FXD SM 100MHZ 600R
5223	2422 549 43062	IND FXD SM 100MHZ 600R
5400	3198 018 41880	FXD IND SM 1210 1U8 5%
5401	3198 018 41880	FXD IND SM 1210 1U8 5%
5402	3198 018 41880	FXD IND SM 1210 1U8 5%
5403	3198 018 41880	FXD IND SM 1210 1U8 5%
5404	3198 018 41880	FXD IND SM 1210 1U8 5%
5405	3198 018 41880	FXD IND SM 1210 1U8 5%
5505	4822 157 11717	IND FXD 1206 100MHZ 50R
5507	4822 157 11717	IND FXD 1206 100MHZ 50R

DIODES

6101	4822 130 11551	BZX384-C10
6201	3198 020 55680	BZX384-C5V6
6202	4822 130 11397	BAS316
6203	4822 130 11397	BAS316
6204	4822 130 11397	BAS316
6205	4822 130 11397	BAS316
6208	4822 130 11397	BAS316
6209	4822 130 11397	BAS316
6210	3198 020 55680	BZX384-C5V6
6401	4822 130 11397	BAS316
6505	3198 010 10720	DIO REC SS24
6506	9322 128 69685	DIO REC SM S1D
6508	4822 130 11397	BAS316
6509	4822 130 11397	BAS316

TRANSISTORS & INTEGRATED CIRCUITS

7100	5322 130 44647	BC368
7101	5322 130 60159	BC847B

7102	5322 130 60159	BC847B
7103	4822 130 60373	BC857B
7104	4822 209 30095	LM833D
7105	5322 209 11102	HEF4052BT
7200	9322 203 36668	IC SM CS42418-CQ
7202	4822 130 40959	BC547B
7213	4822 130 40959	BC547B
7300	4822 209 30095	LM833D
7301	4822 209 30095	LM833D
7302	4822 209 30095	LM833D
7303	4822 130 60373	BC857B
7305	4822 130 60373	BC857B
7306	5322 130 60159	BC847B
7307	5322 130 60159	BC847B
7308	5322 130 60159	BC847B
7309	5322 130 60159	BC847B
7310	5322 130 60159	BC847B
7311	5322 130 60159	BC847B
7312	5322 130 60159	BC847B
7313	5322 130 60159	BC847B
7322	5322 130 60159	BC847B
7323	5322 130 60159	BC847B
7324	5322 130 60159	BC847B
7325	5322 130 60159	BC847B
7426	4822 130 60373	BC857B
7501	4822 209 17398	LD1117DT33
7501	4822 209 17398	LD1117DT33
7502	5322 130 62804	BCP53
7503	5322 130 60159	BC847B
7504	9322 146 75685	IC SM TS431L
7505	9322 199 24668	IC SM L7808CD2T
7505	9322 113 71668	IC SM MC7808CD2T
7506	4822 130 60373	BC857B
7508	4822 209 17398	LD1117DT33
7508	4822 209 17398	LD1117DT33
7509	5322 130 60159	BC847B
7512	4822 209 30095	LM833D
7513	5322 130 60159	BC847B
7600	4822 209 30095	LM833D
7601	5322 130 60159	BC847B
7602	5322 130 60159	BC847B
7603	5322 130 60159	BC847B
7604	5322 130 60159	BC847B
7607	5322 130 60159	BC847B
7608	5322 130 60159	BC847B
7609	5322 130 60159	BC847B
7610	5322 130 60159	BC847B
7612	4822 130 60373	BC857B
7614	5322 130 60159	BC847B
7615	5322 130 60159	BC847B
7616	5322 130 60159	BC847B

ELECTRICAL PARTS LIST - AV BOARD

7617	5322 130 60159	BC847B
7618	4822 209 30095	LM833D
7619	4822 209 30095	LM833D

Note : Only the parts mentioned in this list are normal service spare parts.

BOX SPK ASSY SW8320LX

(Subwoofer & Module PWR308)

Mains pt5 / Reg pt6 / Amp UCD pt4 / Spk pt5 - 31 August 04

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Amplifier UCD Board - Circuit Diagram (Part 2) 8-11

Mains Board - Component Layout 8-12

Mains Board - Circuit Diagram 8-13

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Mains Socket Board - Circuit Diagram 8-14

Speaker Board - Component Layout 8-14

Speaker Board - Circuit Diagram 8-14

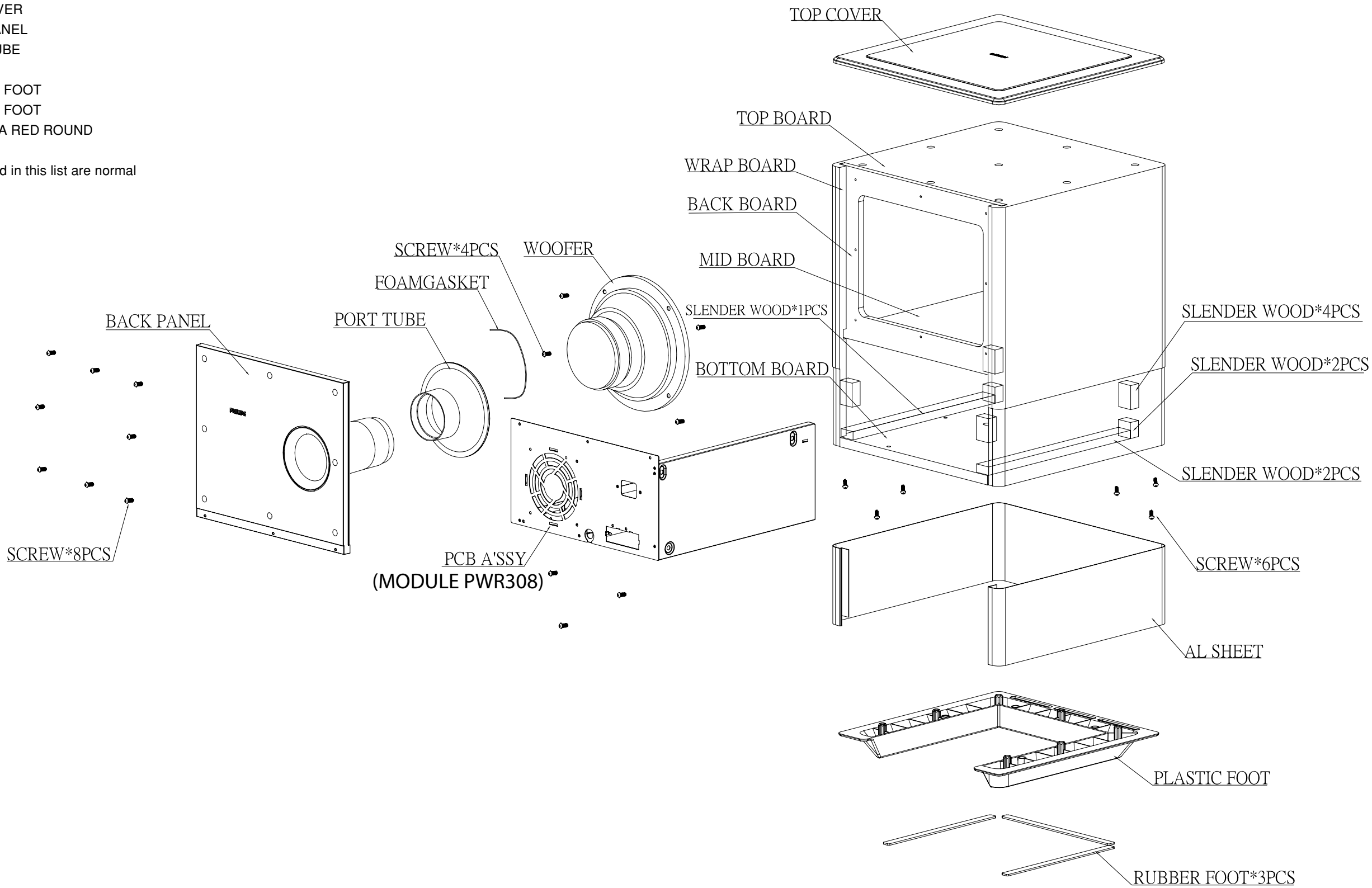
Electrical parts list 8-15

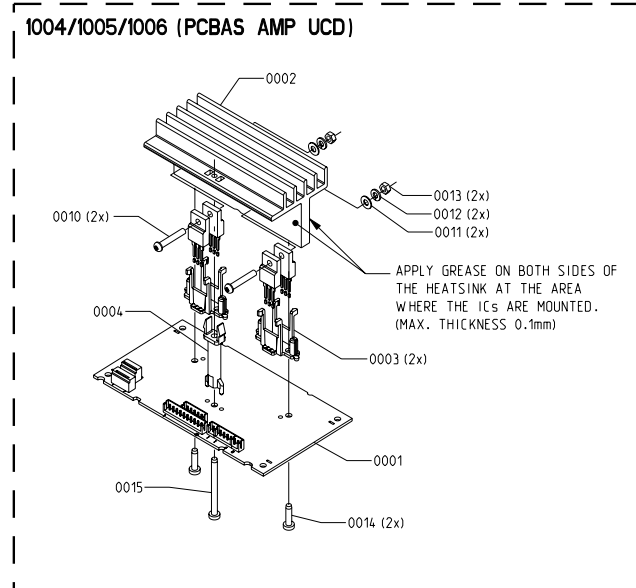
EXPLODED VIEW - BOX SPK ASSY SW8320LX

PARTS LIST - BOX SPK ASSY SW8320LX

3139 119 02521	BOX SPK ASSY SW8320LX/69
9965 000 25359	WF 6.5" 150W 4R (16L80EHC3495)
9965 000 25360	TOP COVER
9965 000 25361	BACK PANEL
9965 000 25362	PORT TUBE
9965 000 25363	PLASTIC FOOT
9965 000 25364	RUBBER FOOT
9965 000 25365	LED 3 DIA RED ROUND

Note : Only the parts mentioned in this list are normal service spare parts.

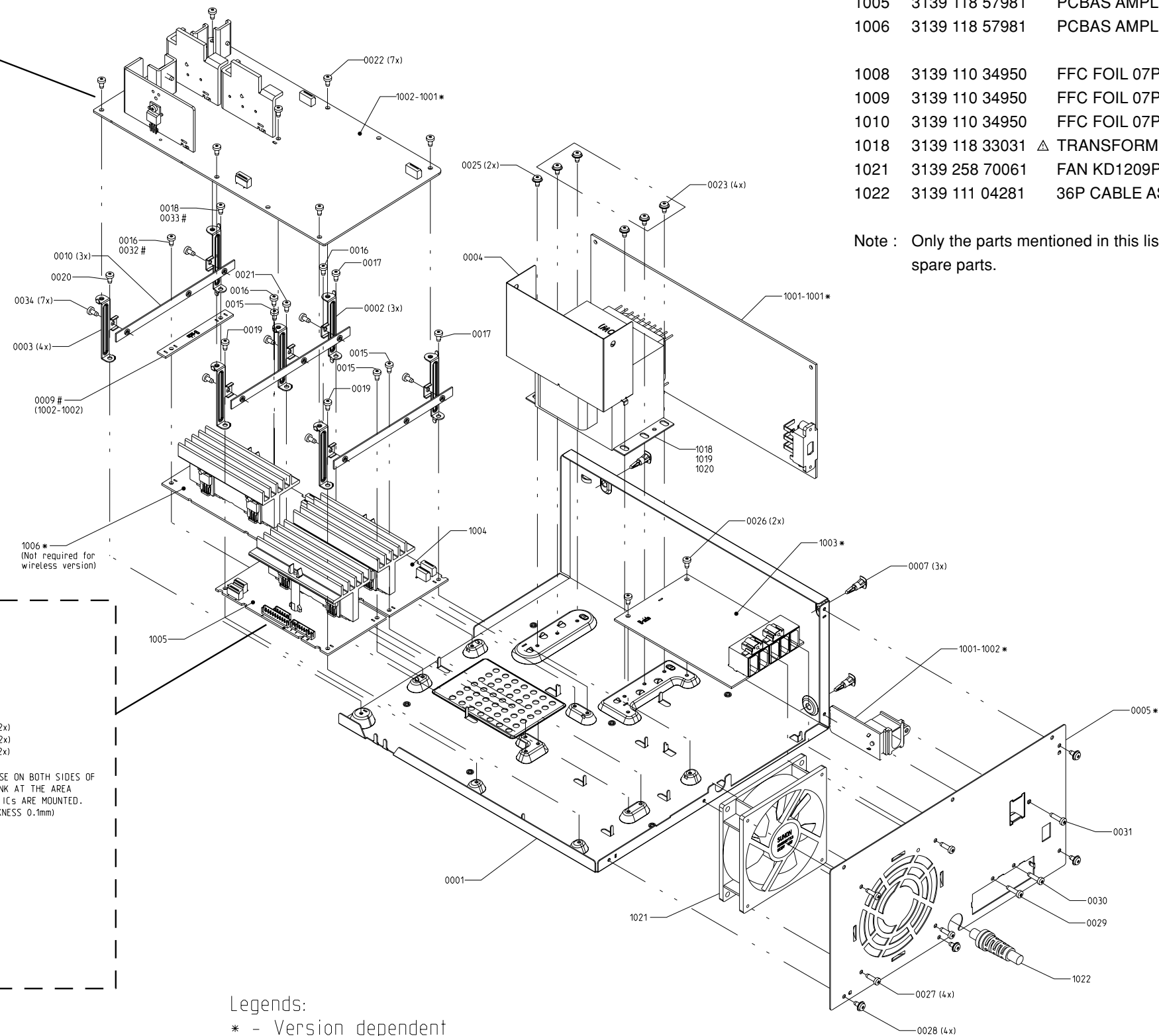




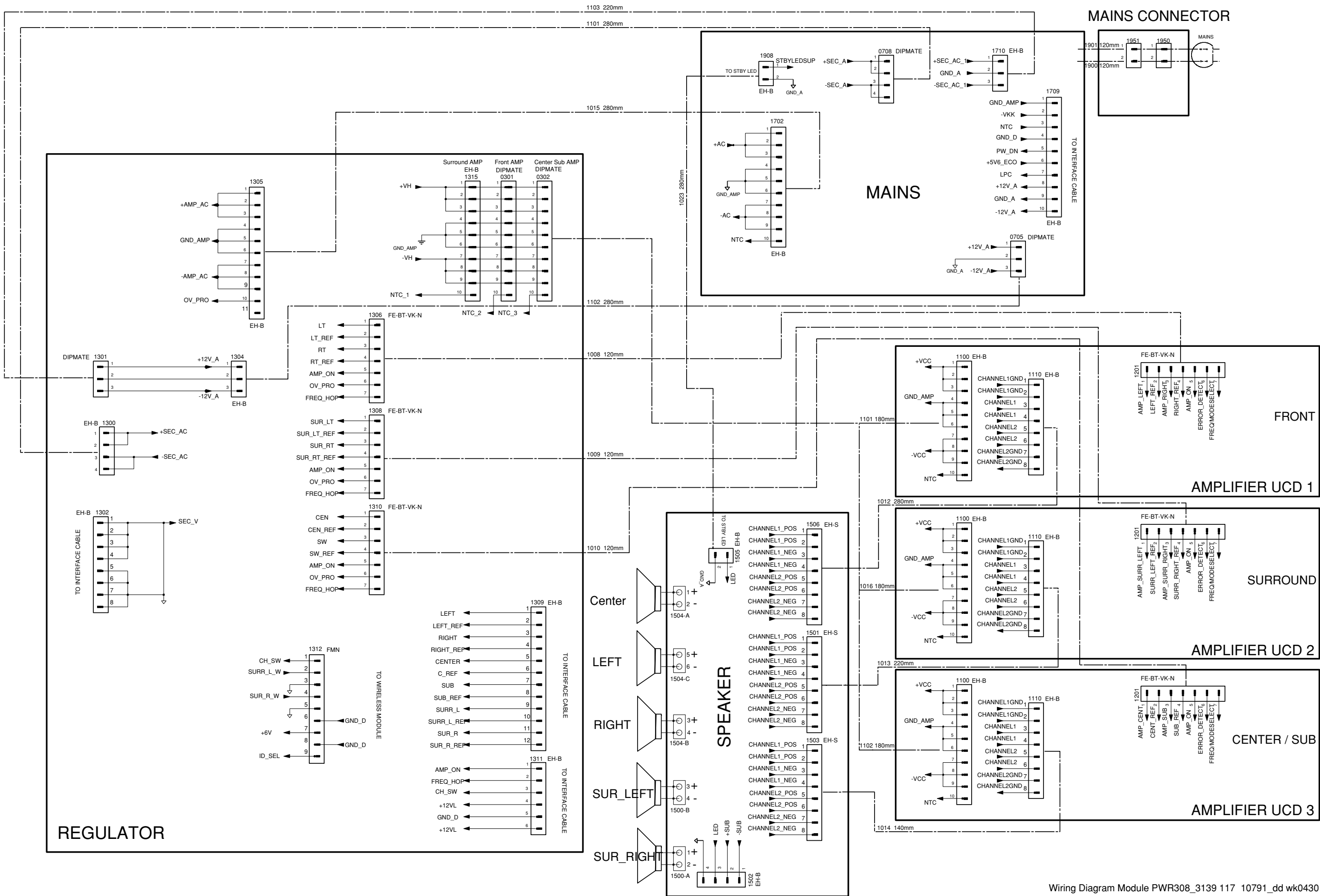
Legends:
* - Version dependent
- For wireless version only

0007	3139 240 40061	SPACER - 8MM
1001	3139 118 57961	PCBAS MAINS & MAINS SOCKET
1002	3139 118 57921	PCBAS REGULATOR
1003	3139 118 57931	PCBAS SPEAKER
1004	3139 118 57981	PCBAS AMPLIFIER UCD
1005	3139 118 57981	PCBAS AMPLIFIER UCD
1006	3139 118 57981	PCBAS AMPLIFIER UCD
1008	3139 110 34950	FFC FOIL 07P/120/07P AD
1009	3139 110 34950	FFC FOIL 07P/120/07P AD
1010	3139 110 34950	FFC FOIL 07P/120/07P AD
1018	3139 118 33031	△ TRANSFORMER MAINS
1021	3139 258 70061	FAN KD1209PTS3
1022	3139 111 04281	36P CABLE ASSY

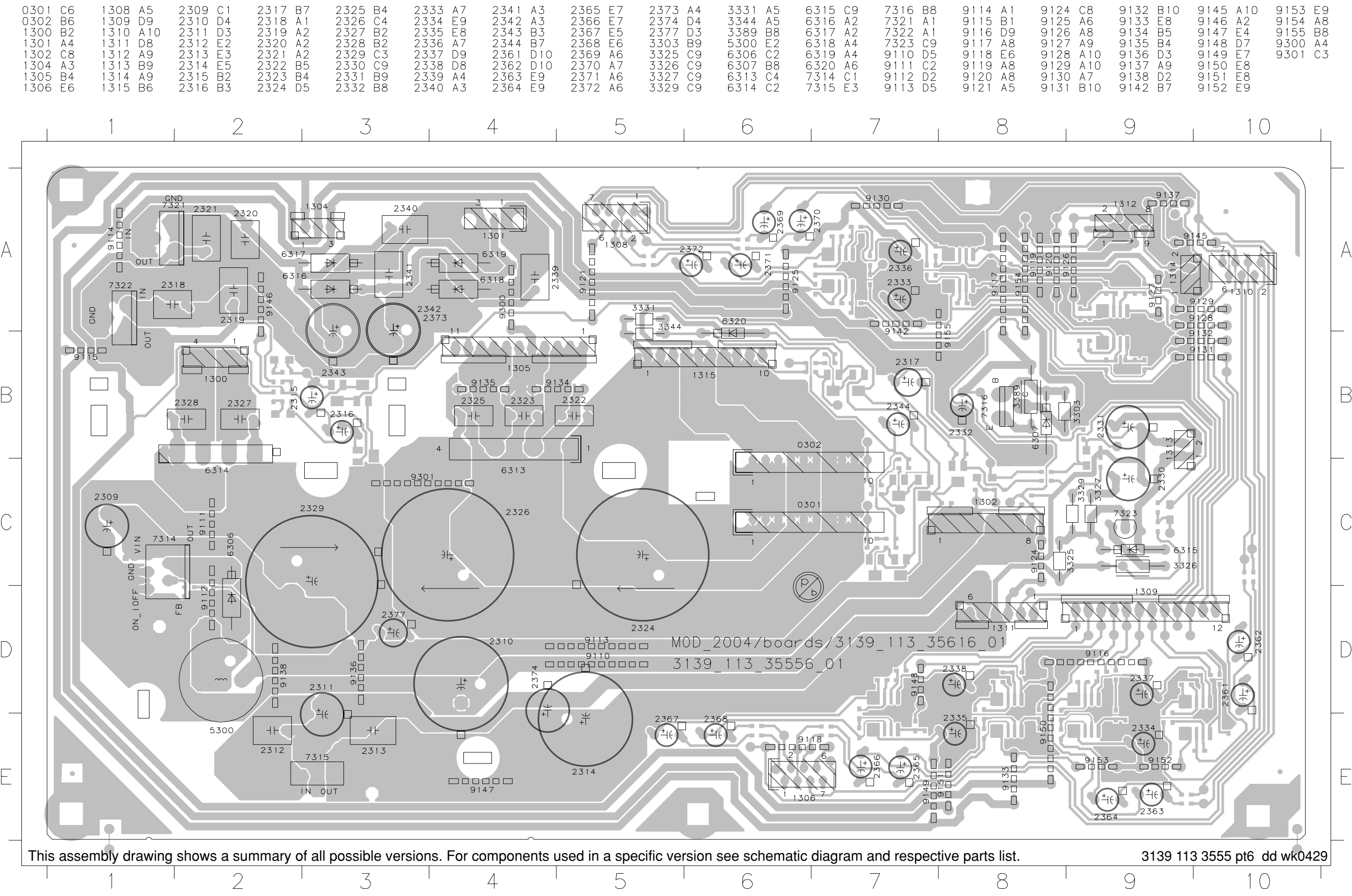
Note : Only the parts mentioned in this list are normal service spare parts.



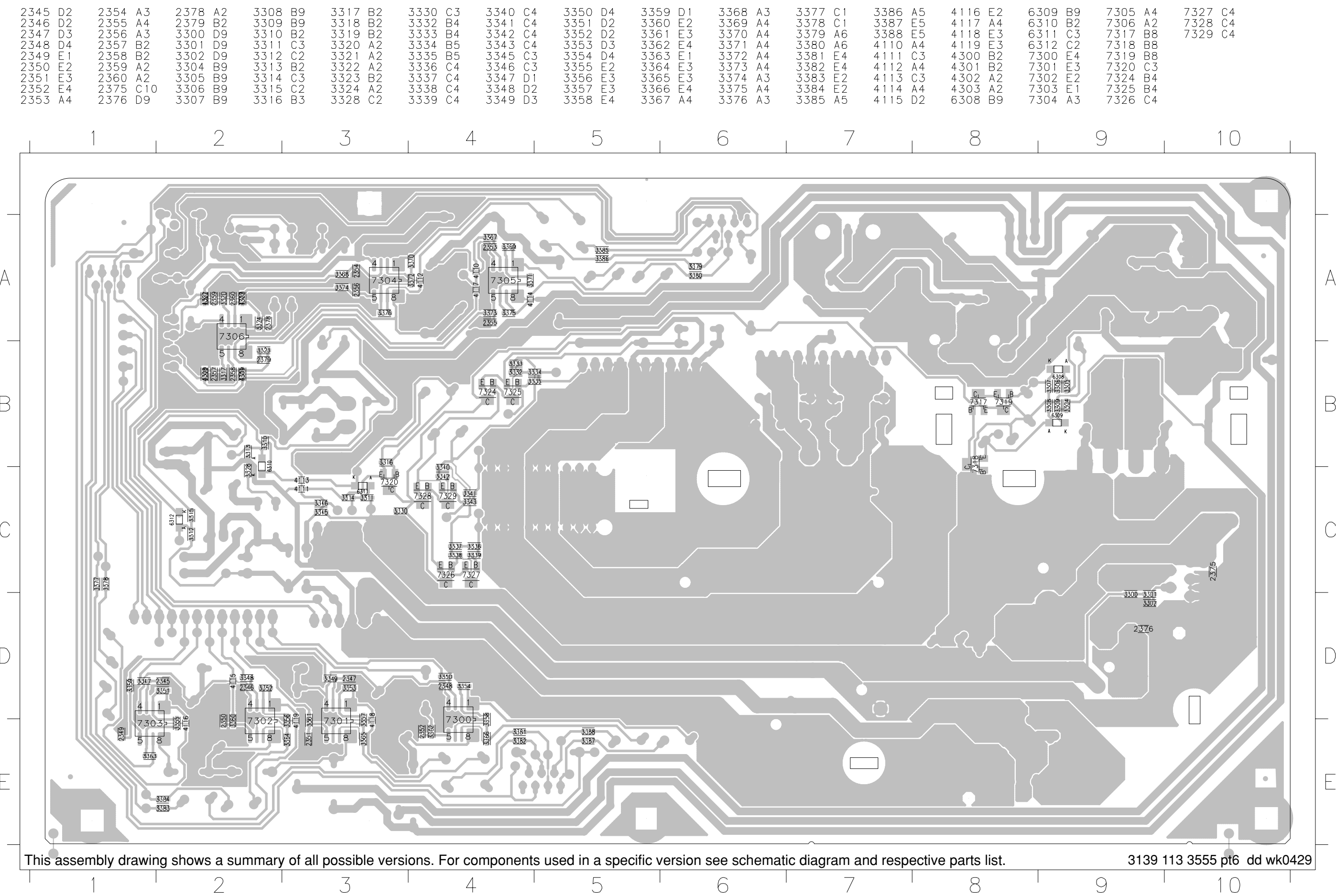
WIRING DIAGRAM - MODULE PWR308



REGULATOR BOARD - COMPONENT LAYOUT



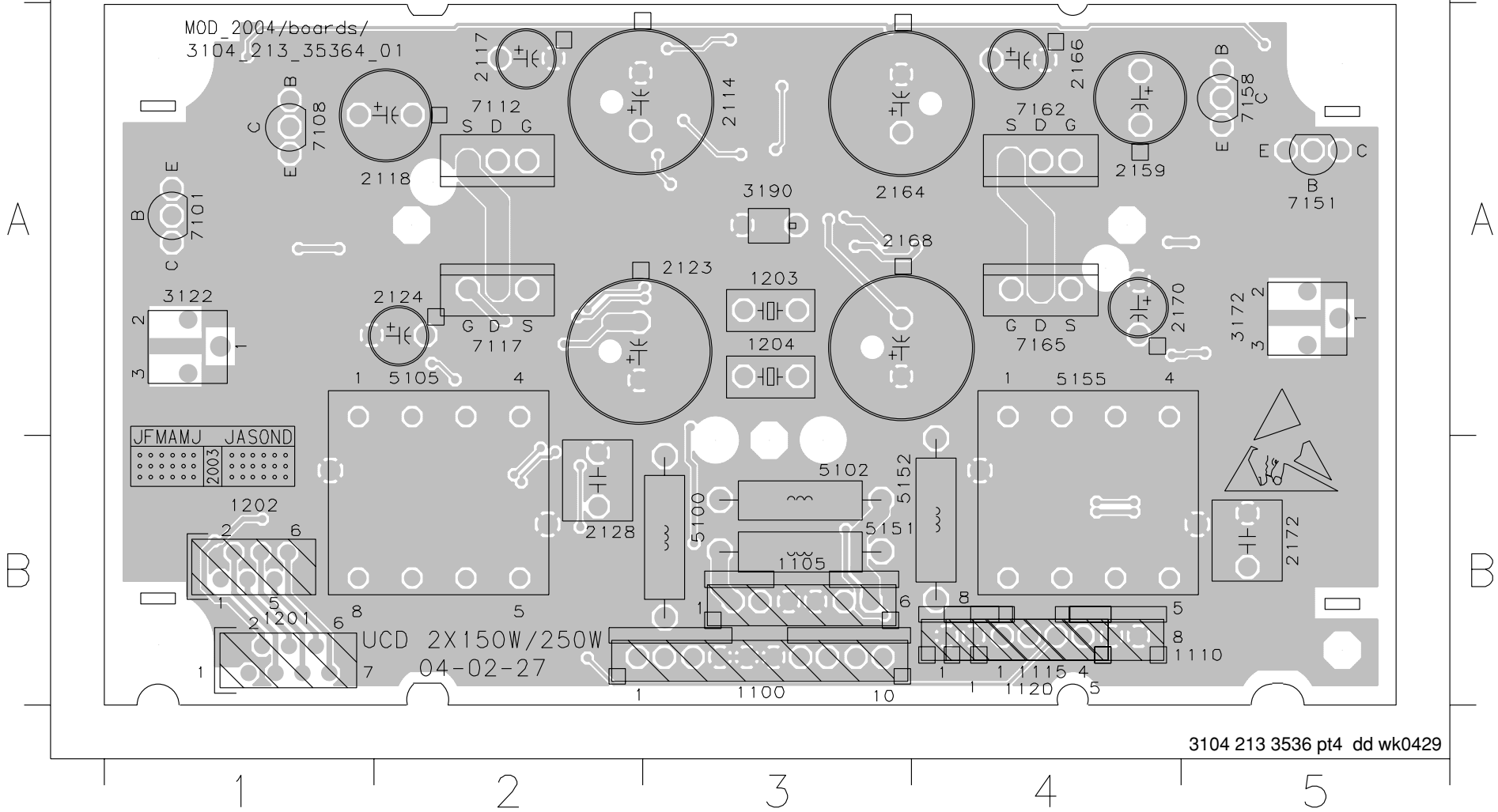
REGULATOR BOARD - CHIP LAYOUT



AMPLIFIER UCD BOARD - TOP VIEW LAYOUT

1100 B3	1201 B1	2117 A2	2159 A4	2172 B5	5102 B3	7101 A1	7158 A5
1105 B3	1202 B1	2118 A2	2164 A3	3122 A1	5105 B2	7108 A1	7162 A4
1110 B4	1203 A3	2123 A2	2166 A4	3172 A5	5151 B3	7112 A2	7165 A4
1115 B4	1204 A3	2124 A2	2168 A3	3190 A3	5152 B4	7117 A2	
1120 B4	2114 A2	2128 B2	2170 A4	5100 B3	5155 B4	7151 A5	

This assembly drawing shows a summary of all possible versions. For components used in a specific version see schematic diagram and respective parts list.

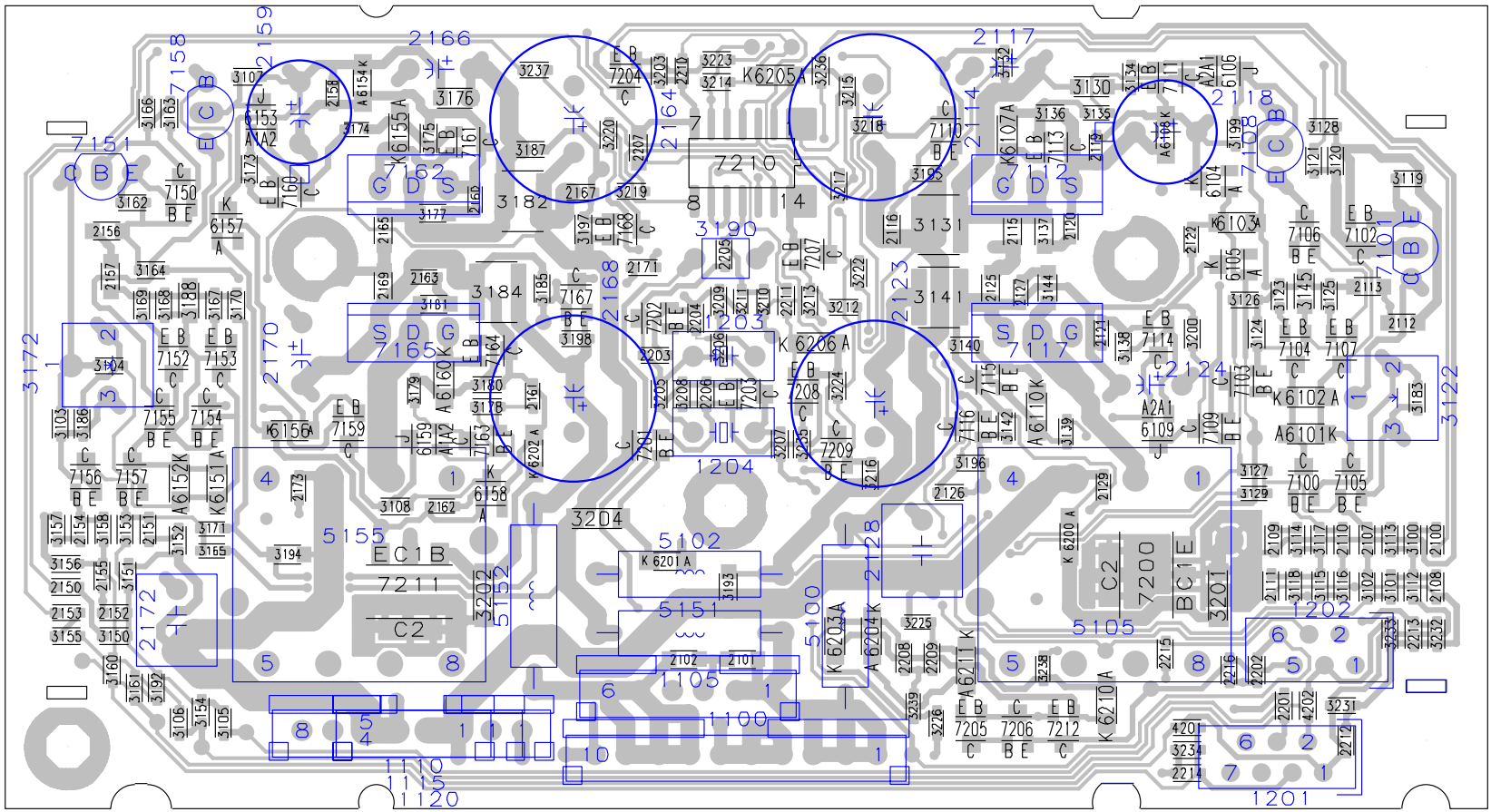


AMPLIFIER UCD BOARD - BOTTOM VIEW LAYOUT

2100	B5	2122	A5	2161	A2	2208	B4	3106	B1	3125	A5	3141	A4	3162	A1	3178	A2
2101	B3	2125	A4	2162	B2	2209	B4	3107	A1	3126	A5	3142	A4	3163	A1	3179	A2
2102	B3	2126	A4	2163	A2	2210	A3	3108	B2	3127	A5	3144	A4	3164	A1	3180	A2
2107	B5	2127	A4	2165	A2	2211	A3	3112	B5	3128	A5	3145	A5	3165	B1	3181	A2
2108	B5	2129	A4	2167	A3	2212	B5	3113	B5	3129	A5	3150	B1	3166	A1	3182	A2
2109	B5	2150	B1	2169	A2	2213	B5	3114	B5	3130	A4	3151	B1	3167	A1	3183	A5
2110	B5	2151	B1	2171	A3	2214	B5	3115	B5	3131	A4	3152	B1	3168	A1	3184	A2
2111	B5	2152	B1	2173	A2	2215	B4	3116	B5	3132	A4	3153	B1	3169	A1	3185	A2
2112	A5	2153	B1	2201	B5	2216	B5	3117	B5	3134	A4	3154	B1	3170	A1	3186	A1
2113	A5	2154	B1	2202	B5	3100	B5	3118	B5	3135	A4	3155	B1	3171	B1	3187	A2
2115	A4	2155	B1	2203	A3	3101	B5	3119	A5	3136	A4	3156	B1	3173	A1	3188	A1
2116	A4	2156	A1	2204	A3	3102	B5	3120	A5	3137	A4	3157	B1	3174	A2	3192	B1
2119	A4	2157	A1	2205	A3	3103	A1	3121	A5	3138	A4	3158	B1	3175	A2	3193	B3
2120	A4	2158	A2	2206	A3	3104	A1	3123	A5	3139	A4	3160	B1	3176	A2	3194	B2
2121	A4	2160	A2	2207	A3	3105	B1	3124	A5	3140	A4	3161	B1	3177	A2	3195	A4

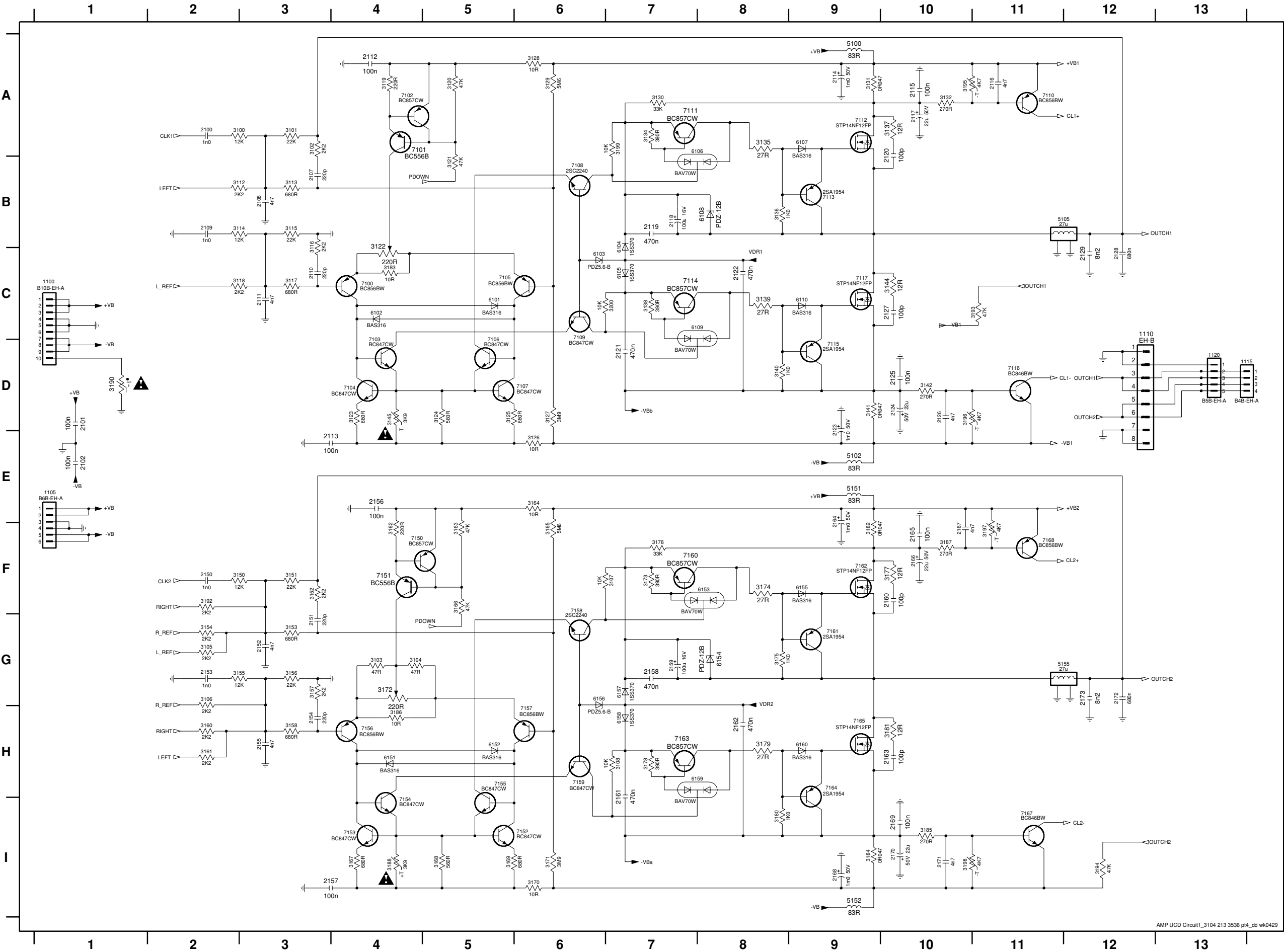
3196	A4	6154	A2	7210	A3	1100	B3
3197	A3	6155	A2	7211	B2	1105	B3
3198	A3	6156	A2	7212	B4	1110	B2
3199	A5	6157	A1	F100	B3	1115	B2
3200	A5	6158	A2	F101	B3	1120	B2
3201	B5	6159	A2	F102	B3	1201	B5
3202	B2	6160	A2	F103	B2	1202	B5
3203	A3	6200	B4	F104	B2	1203	A3
3204	B3	6201	B3	F105	B2	1204	A3
3205	A3	6202	A2	F106	B3	2114	A4
3206	A3	6203	B3	F107	A4	2117	A4
3207	A3	6204	B4	F108	A4	2118	A4
3208	A3	6205	A3	F109	A2	2123	A4
3209	A3	6206	A3	F110	A3	2124	A4
3210	A3	6210	B4	F111	A5	2128	B4
3211	A3	6211	B4	F112	B2	2159	A2
3212	A3	7100	A5	F113	A3	2164	A3
3213	A3	7102	A5	F114	B1	2166	A2
3214	A3	7103	A5	F115	B1	2168	A3
3215	A3	7104	A5	F116	B1	2170	A2
3216	A4	7105	A5	F117	B1	2172	B1
3217	A3	7106	A5	F118	B4	3122	A5
3218	A3	7107	A5	F119	B4	3172	A1
3219	A3	7109	A5	F120	B4	3190	A3
3220	A3	7110	A4	F121	A3	5100	B3
3222	A3	7111	A4	F122	A3	5102	B3
3223	A3	7113	A4			5105	B4
3224	A3	7114	A4			5151	B3
3225	B4	7115	A4			5152	B2
3226	B4	7116	A4			5155	B2
3231	B5	7150	A1			7101	A5
3232	B5	7152	A1			7108	A5
3233	B5	7153	A1			7112	A4
3234	B5	7154	A1			7117	A4
3235	A3	7155	A1			7151	A1
3236	A3	7156	A1			7158	A1
3237	A2	7157	A1			7162	A2
3238	B4	7159	A2			7165	A2
3239	B4	7160	A2				
4201	B5	7161	A2				
4202	B5	7163	A2				
6101	A5	7164	A2				
6102	A5	7167	A3				
6103	A5	7168	A3				
6104	A5	7200	B4				
6105	A5	7201	A3				
6106	A5	7202	A3				
6107	A4	7203	A3				
6108	A4	7204	A3				
6109	A4	7205	B4				
6110	A4	7206	B4				
6151	A1	7207	A3				
6152	A1	7208	A3				
6153	A2	7209	A3				

This assembly drawing shows a summary of all possible versions. For components used in a specific version see schematic diagram and respective parts list.



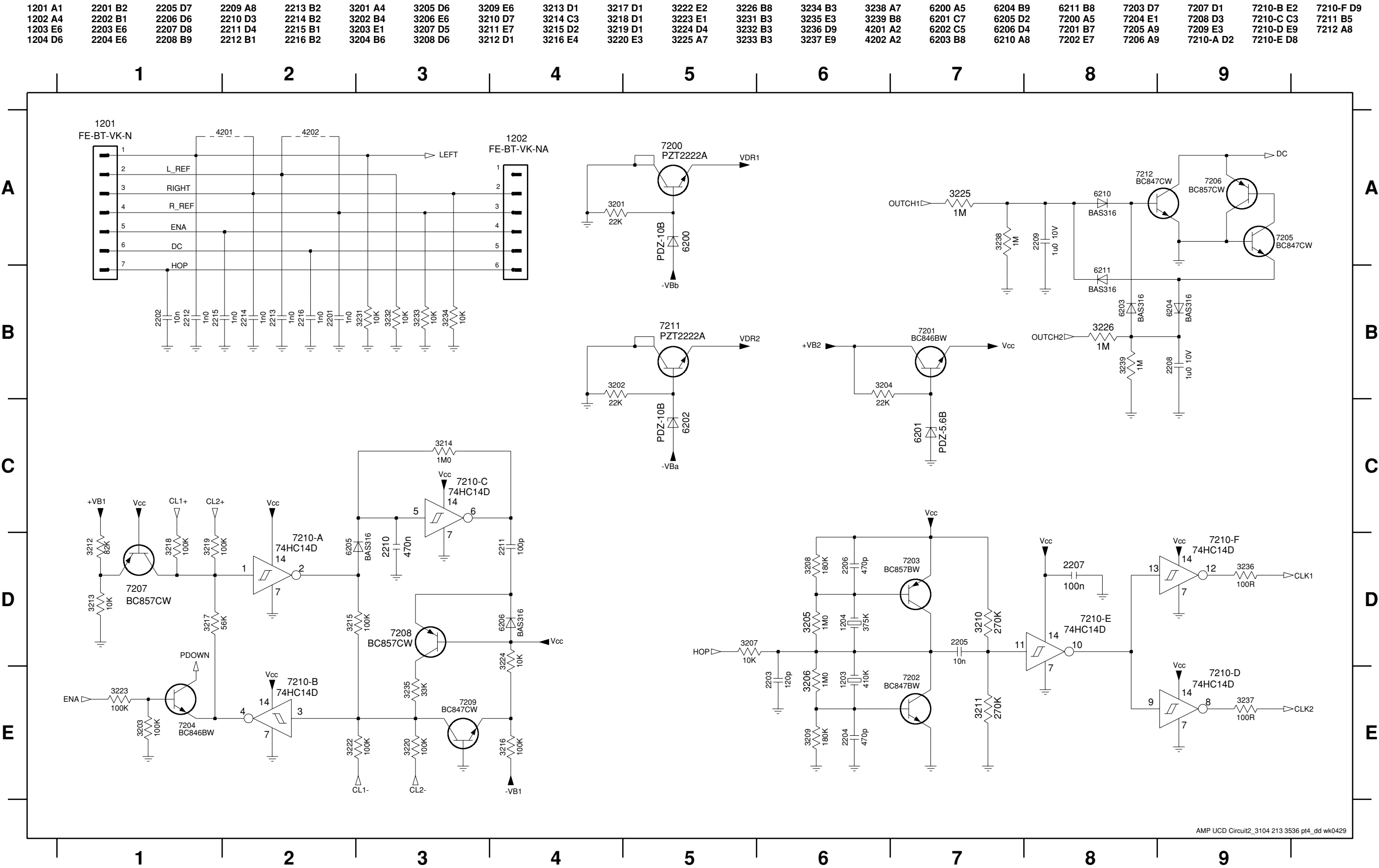
3104 213 3536 pt4 dd wk0429

AMPLIFIER UCD BOARD - CIRCUIT DIAGRAM (PART 1)



1100 C1	3184 I9
1105 E1	3185 I10
1110 C12	3186 H4
1115 D13	3187 F10
1120 D13	3188 I4
2100 A2	3190 D1
2101 D1	3192 F2
2102 E1	3193 C11
2107 B3	3194 I12
2108 B3	3195 A10
2109 B2	3196 D10
2110 C3	3197 F11
2111 C3	3198 I10
2112 A4	3199 A7
2113 E3	3200 C7
2114 A9	5100 A9
2115 A10	5102 E9
2116 A11	5105 B12
2117 A10	5151 E9
2118 B7	5152 I9
2119 B7	5155 G12
2120 A10	6101 C5
2121 D7	6102 C4
2122 C8	6103 C5
2123 D9	6104 B7
2124 D10	6105 C7
2125 D10	6106 A7
2126 D10	6107 A9
2127 C10	6108 B8
2128 C12	6109 C7
2129 C12	6110 C9
2150 F2	6151 H4
2151 G3	6152 H5
2152 G3	6153 F8
2153 G2	6154 G8
2154 H3	6155 F9
2155 H3	6156 G5
2156 E4	6157 C7
2157 I3	6158 H7
2158 G7	6159 H7
2159 G7	6160 H9
2160 F10	7100 C4
2161 H7	7101 A5
2162 H8	7102 A4
2163 H10	7103 D4
2164 E9	7104 D4
2165 F10	7105 C5
2166 F10	7106 D5
2167 F10	7107 D6
2168 I9	7108 B6
2169 I10	7109 C6
2170 I10	7110 A11
2171 I10	7111 A8
2172 G12	7112 A9
2173 G12	7113 B9
3100 A2	7114 C8
3101 A3	7115 D9
3102 A3	7116 D11
3103 G4	7117 C9
3104 G4	7150 F4
3105 G2	7151 F4
3106 G2	7152 I6
3107 F7	7153 I4
3108 H7	7154 I4
3112 B2	7155 H5
3113 B3	7156 H4
3114 B2	7157 H6
3115 B3	7158 F6
3116 B3	7159 H6
3117 C3	7160 F8
3118 C2	7161 G9
3119 A4	7162 F9
3120 A5	7163 H7
3121 B5	7164 H9
3122 B4	7165 H9
3123 D4	7167 I11
3124 D5	7168 F11
3125 D5	
3126 E6	
3127 D6	
3128 A6	
3129 A6	
3130 A7	
3131 A9	
3132 A10	
3134 A7	
3135 A9	
3136 B8	
3137 A10	
3138 C7	
3139 C8	
3140 D8	
3141 D9	
3142 D10	
3144 C10	
3145 D4	
3150 F2	
3151 F3	
3152 F3	
3153 G3	
3154 G2	
3155 G2	
3156 G3	
3157 G3	
3158 H3	
3160 H2	
3161 H2	
3162 F4	
3163 F5	
3164 E6	
3165 F6	
3166 F5	
3167 I4	
3168 I5	
3169 I5	
3170 I6	
3171 I6	
3172 G4	
3173 F7	
3174 F8	
3175 G8	
3176 F7	
3177 F10	
3178 H7	
3179 H8	
3180 I8	
3181 H10	
3182 F9	
3183 C4	

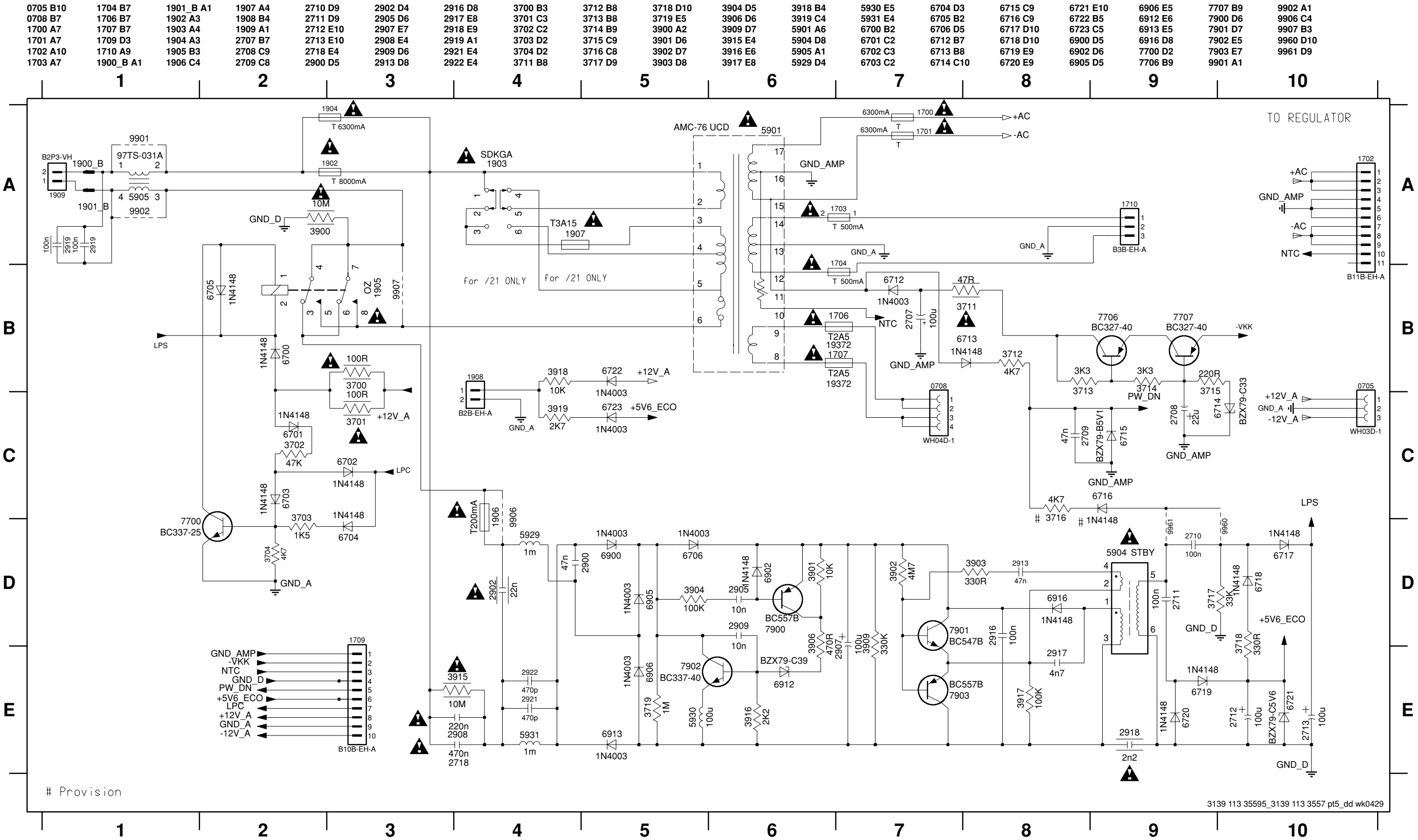
AMPLIFIER UCD BOARD - CIRCUIT DIAGRAM (PART 2)



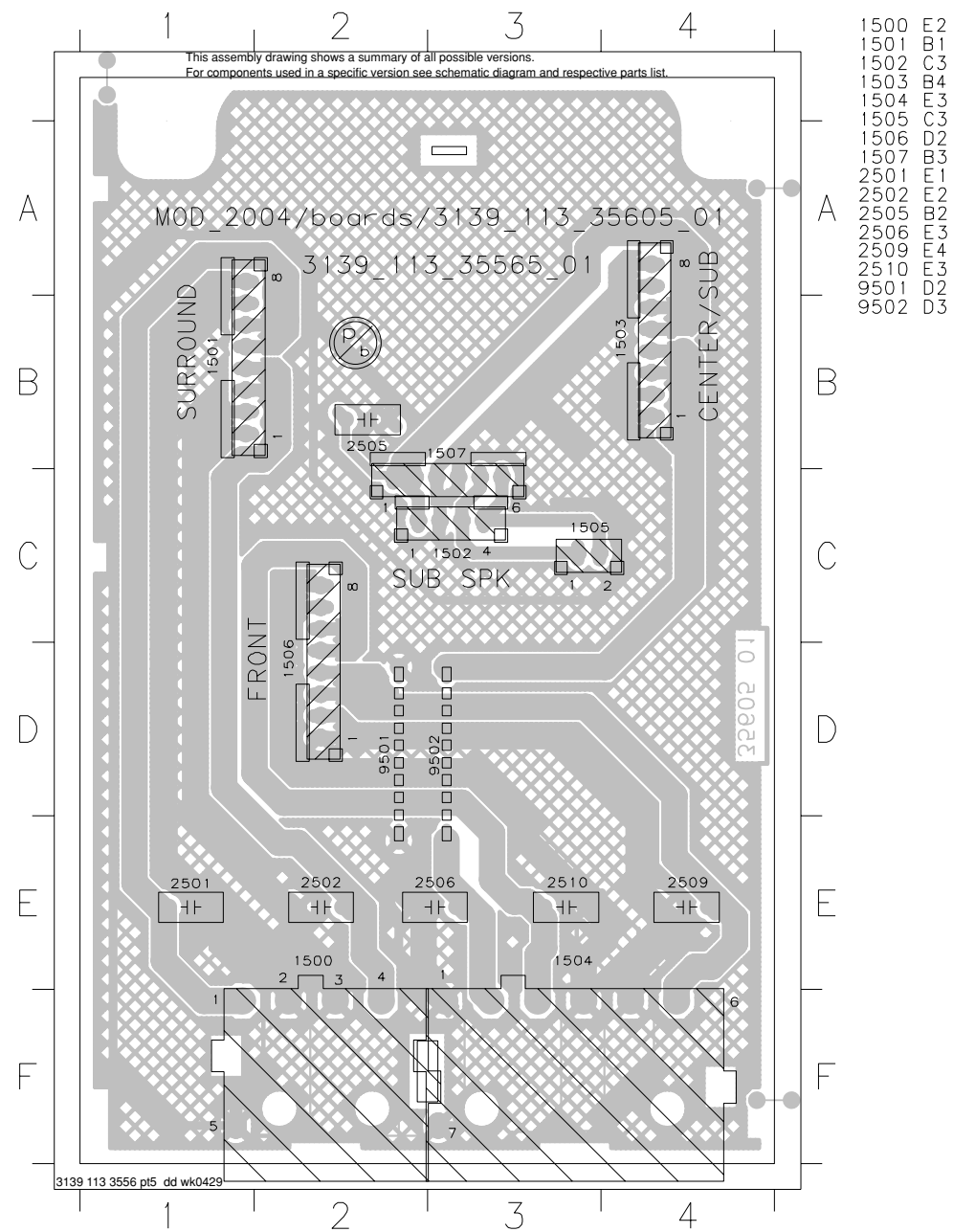
0705	A4	1710	A1	1909	C7	2902	B9	2920	C8	3713	A1	3903	A7	5904	A6	6705	A5	6720	B6	6916	A7	9113	A2	9941	B2	9954	D2
0708	D1	1900	B C8	2707	C1	2905	B8	2921	A9	3714	A1	3904	B9	5905	C8	6706	A8	6721	A4	7700	A5	9114	A3	9942	B2	9955	D3
1700	A4	1901	B C7	2708	A1	2907	A8	2922	A9	3715	B1	3906	A7	5929	A9	6712	B1	6722	A5	7706	A1	9115	B2	9943	B2	9956	D3
1701	A3	1902	B9	2709	B1	2908	A9	3700	A5	3716	A6	3909	A8	5930	A8	6713	B1	6723	A4	7707	A1	9116	C9	9944	B3	9957	D3
1702	A3	1903	C9	2710	A6	2909	B9	3701	A5	3717	A6	3915	B9	5931	A9	6714	B1	6900	A8	7900	B7	9117	D9	9945	B3	9958	D4
1703	A2	1904	B9	2711	A5	2913	B7	3702	A5	3718	A5	3916	A8	6700	A6	6715	B1	6902	B7	7901	A7	9901	B8	9946	B3	9960	A6
1704	A2	1905	B6	2712	A4	2916	A8	3703	A4	3719	A8	3917	A7	6701	A6	6716	A6	6905	A9	7902	B8	9902	B8	9947	B3	9961	A6
1706	D1	1906	B7	2713	B5	2917	A7	3704	A5	3900	B5	3918	A3	6702	A5	6717	A6	6906	A8	7903	A8	9906	B7	9948	B4		
1707	C1	1907	D9	2718	A9	2918	B6	3711	B1	3901	A8	3919	A4	6703	A5	6718	A5	6912	A7	9110	A1	9907	C6	9949	B4		
1709	A4	1908	A2	2900	A9	2919	C8	3712	B1	3902	A7	5901	C5	6704	A4	6719	B5	6913	A8	9111	A1	9940	B2	9953	D2		



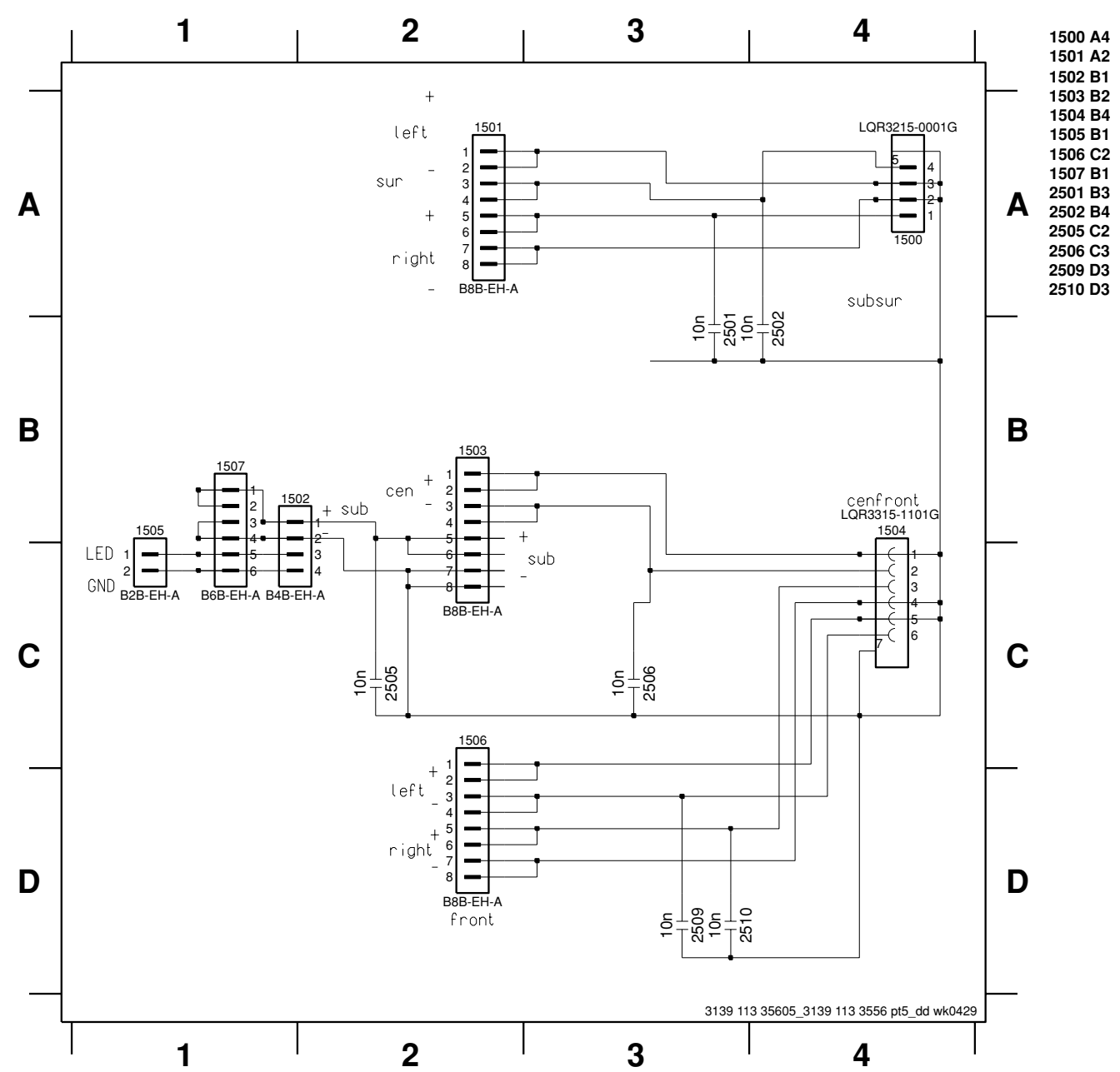
MAINS BOARD - CIRCUIT DIAGRAM



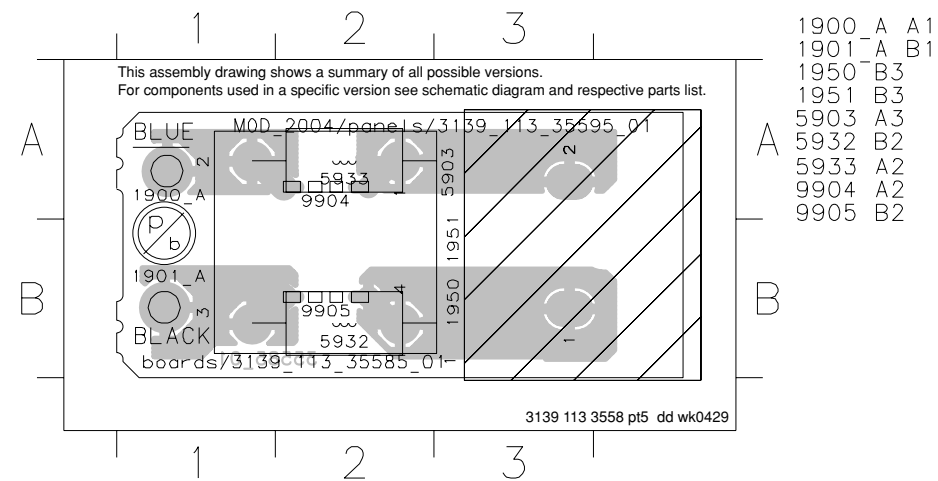
SPEAKER BOARD - COMPONENT LAYOUT



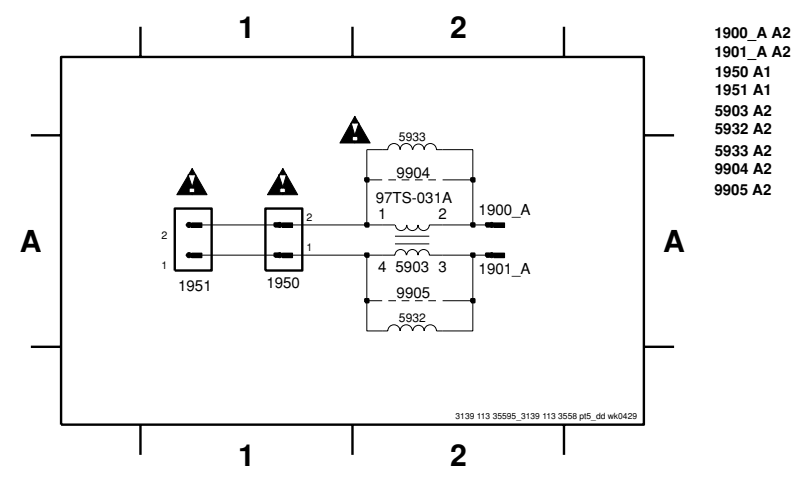
SPEAKER BOARD - CIRCUIT DIAGRAM



MAINS SOCKET BOARD - COMPONENT LAYOUT



MAINS SOCKET BOARD - CIRCUIT DIAGRAM



ELECTRICAL PARTS LIST - MAINS SOCKET BOARD**MISCELLANEOUS**

1002	3139 118 58041	PCBAS MAINS SOCKET
1950	4822 265 31015	△ MAINS SOCKET

COILS & FILTERS

5903	4822 157 11628	△ FIL MAINS 650uH 6A 97TS B
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Note : Only the parts mentioned in this list are normal service spare parts.

ELECTRICAL PARTS LIST - MAINS BOARD**MISCELLANEOUS**

1001	3139 118 58071	PCBAS MAINS
1700	2422 086 11109	△ FUSE RAD T 6A3 250V
1701	2422 086 11109	△ FUSE RAD T 6A3 250V
1703	9965 000 07787	△ FUSE RAD LT 500MA 250V
1704	9965 000 07787	△ FUSE RAD LT 500MA 250V
1706	4822 071 52502	△ FUSE RAD LT 2A5 250V
1707	4822 071 52502	△ FUSE RAD LT 2A5 250V
1710	4822 267 10735	CON BM V 3P M 2.50 EH B
1903	9965 000 07789	△ VOLTAGE SELECTOR
1904	2422 086 11109	△ FUSE RAD T 6A3 250V
1905	2422 132 07519	△ RELAY 1P 12V 16A OZ-SS L
1907	4822 071 53152	△ FUSE RAD LT 3A15 250V

CAPACITORS

2707	2020 012 93741	100uF 20% 100V
2718	4822 126 13589	△ 470nF 20% 275V
2900	4822 121 43526	47nF 5% 250V
2902	2222 336 19106	△ 22nF 20% 275V
2918	4822 126 14497	△ 2,2nF 20% 250V
2919	4822 121 10711	100nF 20% 275V
2919	2222 338 22104	100nF 20% 275V

RESISTORS

3700	4822 052 10101	△ 100R 5% 0,33W
3701	4822 052 10101	△ 100R 5% 0,33W
3711	4822 052 10479	△ 47R 5% 0,33W
3902	4822 050 24705	4M7 1% 0,6W
3915	4822 053 21106	△ 10M 5% 0,5W

COILS & FILTERS

5904	2422 549 45157	△ TRAFO STANDBY 3A1631N
5929	4822 157 53473	IND FXD 1000uH 10%
5930	4822 157 52333	IND FXD 100uH 5%
5931	4822 157 53473	IND FXD 1000uH 10%

DIODES

6700	4822 130 30621	1N4148
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6701	4822 130 30621	1N4148
6702	4822 130 30621	1N4148
6703	4822 130 30621	1N4148
6704	4822 130 30621	1N4148
6705	4822 130 30621	1N4148
6706	4822 130 31878	1N4003G
6712	4822 130 31878	1N4003G
6713	4822 130 30621	1N4148
6714	4822 130 34142	BZX79-C33
6715	3198 010 55180	BZX79-B5V1
6716	4822 130 30621	1N4148
6717	4822 130 30621	1N4148
6718	4822 130 30621	1N4148
6719	4822 130 30621	1N4148
6720	4822 130 30621	1N4148
6721	4822 130 34173	BZX79-C5V6
6722	4822 130 31878	1N4003G
6723	4822 130 31878	1N4003G
6900	4822 130 31878	1N4003G
6902	4822 130 30621	1N4148
6905	4822 130 31878	1N4003G
6906	4822 130 31878	1N4003G
6912	4822 130 34145	BZX79-C39
6913	4822 130 31878	1N4003G
6916	4822 130 30621	1N4148

TRANSISTORS & INTEGRATED CIRCUITS

7700	4822 130 40981	BC337-25
7706	4822 130 41327	BC327-40
7707	4822 130 41327	BC327-40
7900	4822 130 44568	BC557B
7901	4822 130 40959	BC547B
7902	4822 130 40855	BC337-40
7903	4822 130 44568	BC557B

Note : Only the parts mentioned in this list are normal service spare parts.

ELECTRICAL PARTS LIST - REGUALTOR BOARD**MISCELLANEOUS**

1306	4822 267 10953	FLEX CONNECTOR 7P
1308	4822 267 10953	FLEX CONNECTOR 7P
1310	4822 267 10953	FLEX CONNECTOR 7P

CAPACITORS

2310	3198 038 52220	2200uF 20% 50V
2312	5322 121 42661	330nF 5% 63V
2313	5322 121 42386	100nF 5% 63V
2318	5322 121 42661	330nF 5% 63V
2319	5322 121 42386	100nF 5% 63V
2320	5322 121 42661	330nF 5% 63V
2321	5322 121 42386	100nF 5% 63V
2322	5322 121 42578	100nF 5% 250V
2323	5322 121 42578	100nF 5% 250V
2324	2022 020 00737	6800uF 20% 50V
2325	5322 121 42578	100nF 5% 250V
2326	2022 020 00737	6800uF 20% 50V
2327	5322 121 42578	100nF 5% 250V
2328	5322 121 42578	100nF 5% 250V
2329	2022 020 00782	6800uF 20% 35V
2339	5322 121 42386	100nF 5% 63V
2340	5322 121 42386	100nF 5% 63V
2341	5322 121 42386	100nF 5% 63V
2373	4822 124 80061	1000uF 20% 25V

RESISTORS

3326	4822 052 10568	△ 5R6 5% 0,33W
3328	2322 615 33103	NTC SM 0603 0W125 10K 5%
3331	2322 187 53123	RST MFLM SFR16 A 12K 5%
3344	2322 187 53123	RST MFLM SFR16 A 12K 5%

COILS & FILTERS

5300	2422 536 00838	IND FXD 16RHBP 100uH 10%
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DIODES

6306	4822 130 10871	△ BYV27-200
6308	4822 130 11397	BAS316
6309	4822 130 11397	BAS316

6310	4822 130 11397	BAS316
6311	4822 130 11397	BAS316
6312	4822 130 11397	BAS316
6313	9322 197 92682	△ BRIDGE GBJ10D
6314	4822 130 83302	△ BRIDGE GBU4D
6315	4822 130 34174	△ BZX79-C4V7
6316	4822 130 31878	△ 1N4003G
6317	4822 130 31878	△ 1N4003G
6318	4822 130 31878	△ 1N4003G
6319	4822 130 31878	△ 1N4003G
6320	4822 130 83206	BZX79-B5V6

TRANSISTORS & INTEGRATED CIRCUITS

7300	4822 209 30095	LM833D
7301	4822 209 30095	LM833D
7302	4822 209 30095	LM833D
7303	4822 209 30095	LM833D
7304	4822 209 30095	LM833D
7305	4822 209 30095	LM833D
7314	9322 196 34682	△ IC LM2576TV-ADJ
7315	4822 209 81726	△ IC L7812CV
7317	4822 130 60373	BC857B
7318	5322 130 60159	BC847B
7319	5322 130 60159	BC847B
7320	5322 130 60159	BC847B
7321	9322 131 68687	△ IC L7912CP
7322	4822 209 81726	△ IC L7812CV
7323	4822 130 41246	BC327-25
7324	5322 130 60159	BC847B
7325	5322 130 60159	BC847B
7326	5322 130 60159	BC847B
7327	5322 130 60159	BC847B
7328	5322 130 60159	BC847B
7329	5322 130 60159	BC847B

Note : Only the parts mentioned in this list are normal service spare parts.

ELECTRICAL PARTS LIST - SPEAKER BOARD**MISCELLANEOUS**

1500	2422 025 18515	Speaker Socket 4P Grey/Blue
1504	2422 025 18518	Speaker Socket 6P Green/Red/White

CAPACITORS

2501	4822 121 41857	10nF 5% 250V
2502	4822 121 41857	10nF 5% 250V

2505	4822 121 41857	10nF 5% 250V
2506	4822 121 41857	10nF 5% 250V
2509	4822 121 41857	10nF 5% 250V
2510	4822 121 41857	10nF 5% 250V

Note : Only the parts mentioned in this list are normal service spare parts.

ELECTRICAL PARTS LIST - AMPLIFIER UCD BOARD**MISCELLANEOUS**

0003	3104 214 39321	TO-220 HOLDER
0004	3104 214 39331	SPACER
1201	4822 267 10953	FLEX CONNECTOR 7P
1203	2422 540 98578	RES CER 410kHz
1204	2422 540 98552	RES CER 375kHz

CAPACITORS

2114	3198 026 51020	1000uF 20% 50V
2120	2238 606 11536	100pF 5% 100V
2123	3198 026 51020	1000uF 20% 50V
2127	2238 606 11536	100pF 5% 100V
2128	5322 121 42498	680nF 5% 63V
2160	2238 606 11536	100pF 5% 100V
2163	2238 606 11536	100pF 5% 100V
2164	3198 026 51020	1000uF 20% 50V
2168	3198 026 51020	1000uF 20% 50V
2172	5322 121 42498	680nF 5% 63V

RESISTORS

3122	4822 101 11382	RTRM CAR LIN 220R
3131	2122 118 06384	RST SM1218 LPRC201 R047 5%
3141	2122 118 06384	RST SM1218 LPRC201 R047 5%
3145	2122 663 00025	△ PTC SM 0805 40V 3k9 10%
3172	4822 101 11382	RTRM CAR LIN 220R
3182	2122 118 06384	RST SM1218 LPRC201 R047 5%
3184	2122 118 06384	RST SM1218 LPRC201 R047 5%
3188	2122 663 00025	△ PTC SM 0805 40V 3k9 10%
3190	4822 117 12063	△ NTC DC 0W5 S 10k 5%
3195	2120 611 00023	NTC SM 0603 0W1 4k7 5%
3195	2322 615 33472	NTC SM 0603 0W125 4k7 5%
3196	2120 611 00023	NTC SM 0603 0W1 4k7 5%
3196	2322 615 33472	NTC SM 0603 0W125 4k7 5%
3197	2120 611 00023	NTC SM 0603 0W1 4k7 5%
3197	2322 615 33472	NTC SM 0603 0W125 4k7 5%
3198	2120 611 00023	NTC SM 0603 0W1 4k7 5%
3198	2322 615 33472	NTC SM 0603 0W125 4k7 5%

COILS & FILTERS

5100	4822 157 11411	IND FXD BEAD EMI 100MHz 83R
5102	4822 157 11411	IND FXD BEAD EMI 100MHz 83R
5105	3104 218 15671	IND FXD SC4684-145 PM1
5151	4822 157 11411	IND FXD BEAD EMI 100MHz 83R
5152	4822 157 11411	IND FXD BEAD EMI 100MHz 83R
5155	3104 218 15671	IND FXD SC4684-145 PM1

DIODES

6101	4822 130 11397	BAS316
6102	4822 130 11397	BAS316
6103	3198 020 55680	DIO REG SM PDZ5.6B
6104	9322 198 95685	DIO SIG SM 1SS370
6105	9322 198 95685	DIO SIG SM 1SS370
6106	5322 130 34331	DIO SIG SM BAV70W

6107	4822 130 11397	BAS316
6108	9340 548 61115	DIO REG SM PDZ12B
6109	5322 130 34331	DIO SIG SM BAV70W
6110	4822 130 11397	BAS316
6151	4822 130 11397	BAS316
6152	4822 130 11397	BAS316
6153	5322 130 34331	DIO SIG SM BAV70W
6154	9340 548 61115	DIO REG SM PDZ12B
6155	4822 130 11397	BAS316
6156	3198 020 55680	DIO REG SM PDZ5.6B
6157	9322 198 95685	DIO SIG SM 1SS370
6158	9322 198 95685	DIO SIG SM 1SS370
6159	5322 130 34331	DIO SIG SM BAV70W
6160	4822 130 11397	BAS316
6200	4822 130 11551	DIO REG SM PDZ10B
6201	3198 020 55680	DIO REG SM PDZ5.6B
6202	4822 130 11551	DIO REG SM PDZ10B
6203	4822 130 11397	BAS316
6204	4822 130 11397	BAS316
6205	4822 130 11397	BAS316
6206	4822 130 11397	BAS316
6210	4822 130 11397	BAS316
6211	4822 130 11397	BAS316

TRANSISTORS & INTEGRATED CIRCUITS

7100	9340 218 20135	TRA SIG SM BC856BW
7101	4822 130 41691	TRA SIG BC556B
7102	9340 218 60115	TRA SIG SM BC857CW
7103	9340 217 80115	TRA SIG SM BC847CW
7103	9340 217 80115	TRA SIG SM BC847CW
7104	9340 217 80115	TRA SIG SM BC847CW
7104	9340 217 80115	TRA SIG SM BC847CW
7105	9340 218 20135	TRA SIG SM BC856BW
7106	9340 217 80115	TRA SIG SM BC847CW
7106	9340 217 80115	TRA SIG SM BC847CW
7107	9340 217 80115	TRA SIG SM BC847CW
7107	9340 217 80115	TRA SIG SM BC847CW
7108	4822 130 43233	TRA SIG 2SC2240
7109	9340 217 80115	TRA SIG SM BC847CW
7109	9340 217 80115	TRA SIG SM BC847CW
7110	9340 218 20135	TRA SIG SM BC856BW
7111	9340 218 60115	TRA SIG SM BC857CW
7112	9322 173 29687	FET POW STP14NF12FP
7113	9322 198 96685	TRA SIG SM 2SA1954B
7114	9340 218 60115	TRA SIG SM BC857CW
7115	9322 198 96685	TRA SIG SM 2SA1954B
7116	9340 217 40135	TRA SIG SM BC846BW
7117	9322 173 29687	FET POW STP14NF12FP
7150	9340 218 60115	TRA SIG SM BC857CW
7151	4822 130 41691	TRA SIG BC556B
7152	9340 217 80115	TRA SIG SM BC847CW
7152	9340 217 80115	TRA SIG SM BC847CW

ELECTRICAL PARTS LIST - AMPLIFIER UCD BOARD

7153	9340 217 80115	TRA SIG SM BC847CW
7153	9340 217 80115	TRA SIG SM BC847CW
7154	9340 217 80115	TRA SIG SM BC847CW
7154	9340 217 80115	TRA SIG SM BC847CW
7155	9340 217 80115	TRA SIG SM BC847CW
7155	9340 217 80115	TRA SIG SM BC847CW
7156	9340 218 20135	TRA SIG SM BC856BW
7157	9340 218 20135	TRA SIG SM BC856BW
7158	4822 130 43233	TRA SIG 2SC2240
7159	9340 217 80115	TRA SIG SM BC847CW
7159	9340 217 80115	TRA SIG SM BC847CW
7160	9340 218 60115	TRA SIG SM BC857CW
7161	9322 198 96685	TRA SIG SM 2SA1954B
7162	9322 173 29687	FET POW STP14NF12FP
7163	9340 218 60115	TRA SIG SM BC857CW
7164	9322 198 96685	TRA SIG SM 2SA1954B
7165	9322 173 29687	FET POW STP14NF12FP
7167	9340 217 40135	TRA SIG SM BC846BW
7168	9340 218 20135	TRA SIG SM BC856BW
7200	9339 753 30135	TRA POW SM PZT2222A
7201	9340 217 40135	TRA SIG SM BC846BW
7202	3198 010 42310	TRA SIG SM BC847BW
7203	3198 010 42320	TRA SIG SM BC857BW
7204	9340 217 40135	TRA SIG SM BC846BW
7205	9340 217 80115	TRA SIG SM BC847CW
7205	9340 217 80115	TRA SIG SM BC847CW
7206	9340 218 60115	TRA SIG SM BC857CW
7207	9340 218 60115	TRA SIG SM BC857CW
7208	9340 218 60115	TRA SIG SM BC857CW
7209	9340 217 80115	TRA SIG SM BC847CW
7209	9340 217 80115	TRA SIG SM BC847CW
7210	5322 209 11548	IC SM 74HC14D
7211	9339 753 30135	TRA POW SM PZT2222A
7212	9340 217 80115	TRA SIG SM BC847CW
7212	9340 217 80115	TRA SIG SM BC847CW

Note : Only the parts mentioned in this list are normal service spare parts.

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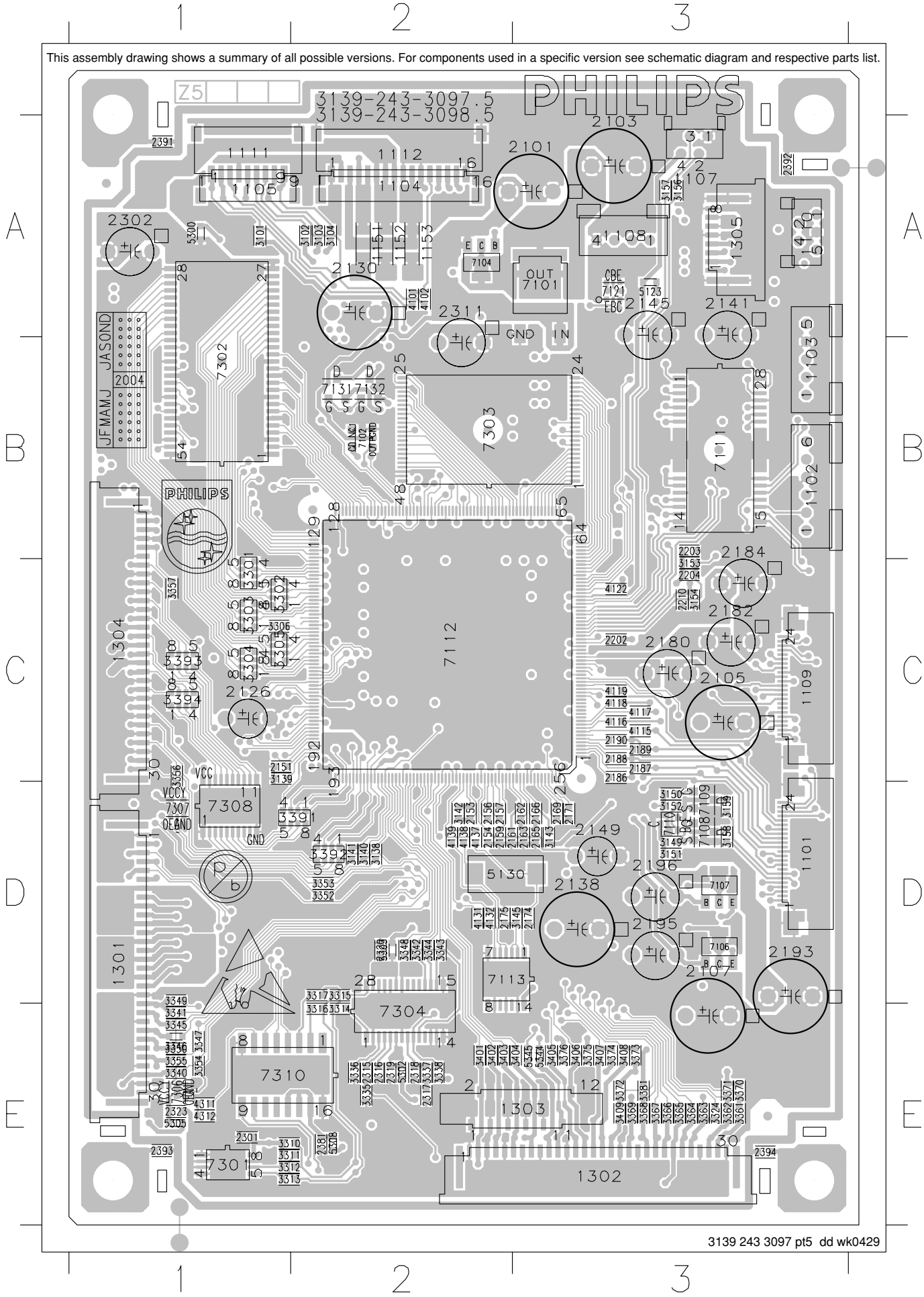
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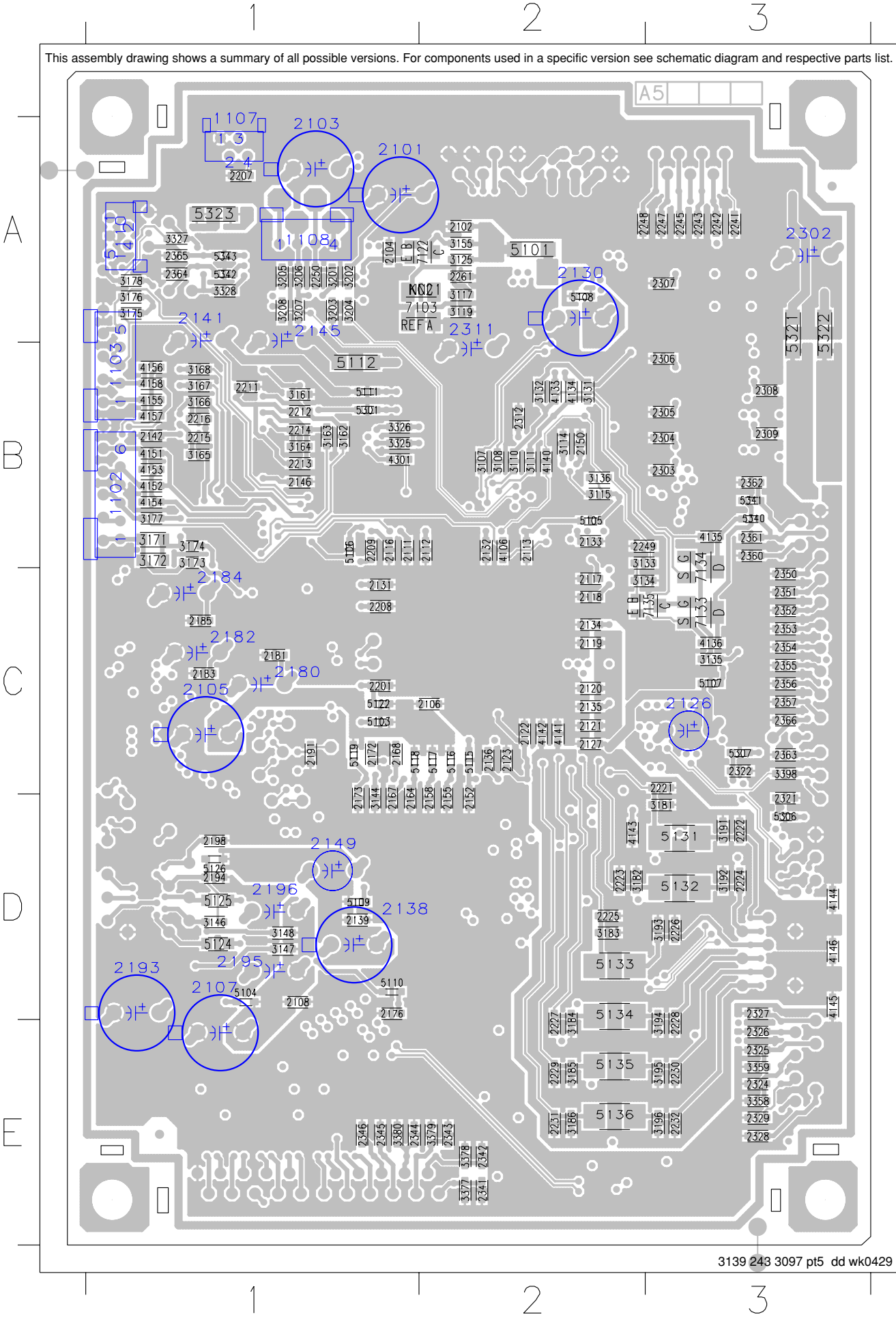
SD6.3 ST AV2 BOARD - TOP VIEW LAYOUT



3139 243 3097 pt5 dd wk0429

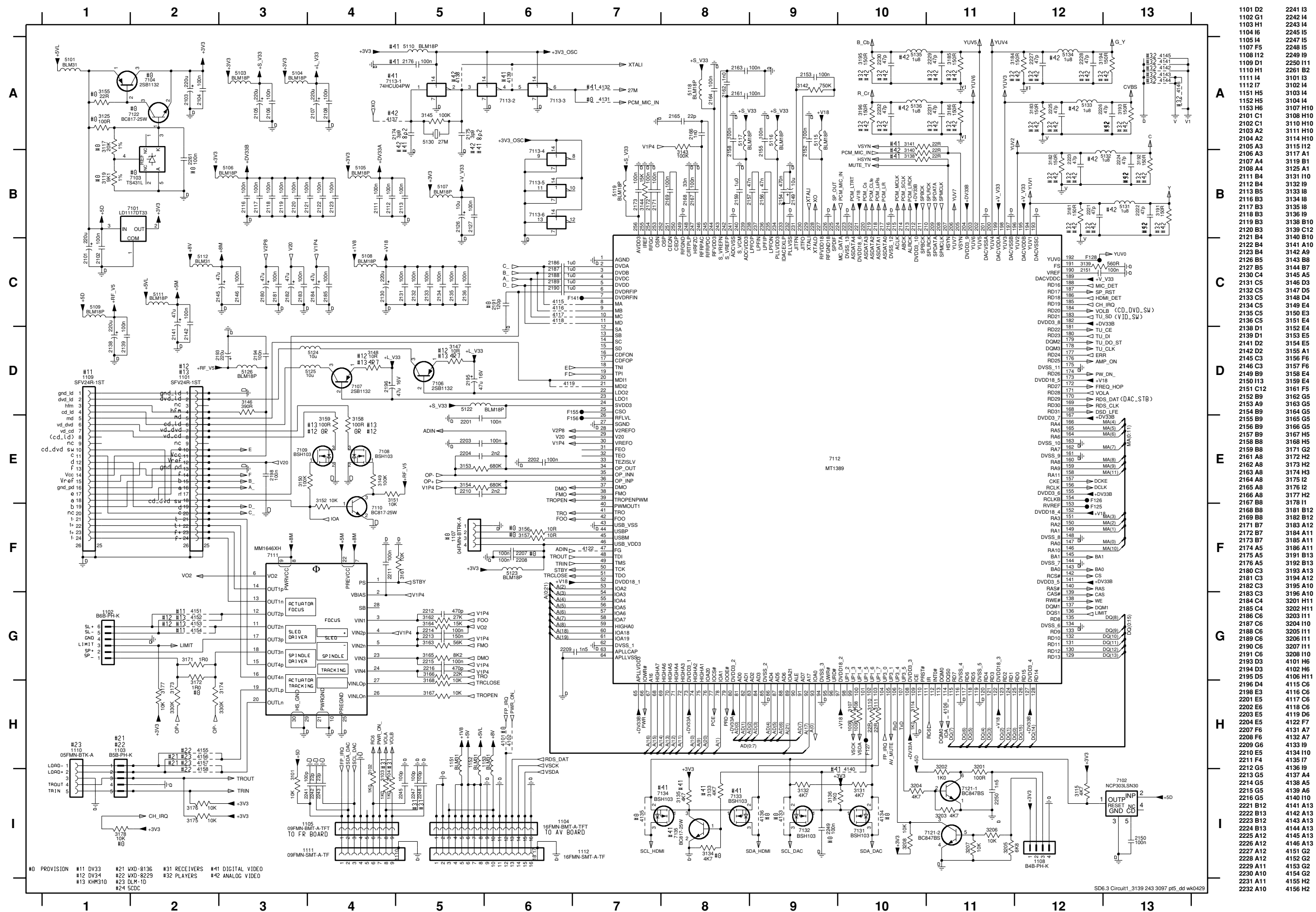
1101 D3	2317 E2	3355 E1	7110 D3
1102 B3	2318 E2	3356 C1	7111 B3
1103 B3	2319 E2	3357 C1	7112 C2
1104 A2	2320 D2	3361 E3	7113 D2
1105 A1	2323 E1	3362 E3	7121 A3
1107 A3	2381 E2	3363 E3	7131 B2
1108 A3	2391 A1	3364 E3	7132 B2
1109 C3	2392 A3	3365 E3	7301 E1
1110 A3	2393 E1	3366 E3	7302 B1
1111 A1	2394 E3	3367 E3	7303 B2
1112 A2	3101 A1	3368 E3	7304 E2
1151 A2	3102 A2	3369 E3	7306 E1
1152 A2	3103 A2	3370 E3	7307 D1
1153 A2	3104 A2	3371 E3	7308 D1
1301 D1	3138 D2	3372 E3	7310 E1
1302 E3	3139 C1	3373 E3	
1303 E3	3140 D2	3374 E3	
1304 C1	3141 D2	3375 E3	
1305 A3	3142 D2	3376 E3	
2101 A3	3143 D3	3381 E3	
2103 A3	3145 D3	3391 D2	
2105 C3	3149 D3	3392 D2	
2107 D3	3150 D3	3393 C1	
2126 C1	3151 D3	3394 C1	
2130 A2	3152 D3	3401 E2	
2138 D3	3153 C3	3402 E2	
2141 A3	3154 C3	3403 E2	
2145 A3	3156 A3	3404 E3	
2149 D3	3157 A3	3405 E3	
2151 C1	3158 D3	3406 E3	
2153 D2	3159 D3	3407 E3	
2154 D2	3301 C1	3408 E3	
2156 D2	3302 C1	3409 E3	
2157 D2	3303 C1	4101 A2	
2159 D2	3304 C1	4102 A2	
2161 D2	3305 C1	4115 C3	
2162 D3	3306 C1	4116 C3	
2163 D3	3310 E1	4117 C3	
2165 D3	3311 E1	4118 C3	
2166 D3	3312 E1	4119 C3	
2169 D3	3313 E1	4122 C3	
2171 D3	3314 E2	4131 D2	
2174 D3	3315 D2	4132 D2	
2175 D2	3316 E2	4137 D2	
2180 C3	3317 D2	4138 D2	
2182 C3	3324 E3	4139 D2	
2184 B3	3335 E2	4311 E1	
2186 C3	3336 E2	4312 E1	
2187 C3	3337 E2	5123 A3	
2188 C3	3338 E2	5130 D2	
2189 C3	3340 E1	5300 A1	
2190 C3	3341 E1	5302 E2	
2193 D3	3342 D2	5303 D2	
2195 D3	3343 D2	5305 E1	
2196 D3	3344 D2	5308 E2	
2202 C3	3345 E1	5344 E3	
2203 B3	3346 E1	5345 E3	
2204 C3	3347 E1	7101 A3	
2210 C3	3348 D2	7102 B2	
2301 E1	3349 D1	7104 A2	
2302 A1	3350 E1	7106 D3	
2311 A2	3352 D2	7107 D3	
2315 E2	3353 D2	7108 D3	
2316 E2	3354 E1	7109 D3	

SD6.3 ST AV2 BOARD - BOTTOM VIEW LAYOUT



1102	B1	2102	A2	2242	A3	3155	A2	4155	B1
1103	B1	2104	A1	2243	A3	3161	B1	4156	B1
1107	A1	2106	C2	2245	A3	3162	B1	4157	B1
1108	A1	2108	D1	2247	A3	3163	B1	4158	B1
1110	A1	2111	B1	2248	A2	3164	B1	4301	B1
2101	A1	2112	B2	2249	B2	3165	B1	5101	A2
2103	A1	2113	B2	2250	A1	3166	B1	5103	C1
2105	C1	2116	B1	2261	A2	3167	B1	5104	D1
2107	D1	2117	C2	2303	B3	3168	B1	5105	B2
2126	C3	2118	C2	2304	B3	3171	B1	5106	B1
2130	A2	2119	C2	2305	B3	3172	B1	5107	C3
2138	D1	2120	C2	2306	B3	3173	B1	5108	A2
2141	A1	2121	C2	2307	A3	3174	B1	5109	D1
2145	A1	2122	C2	2308	B3	3175	A1	5110	D1
2149	D1	2123	C2	2309	B3	3176	A1	5111	B1
2180	C1	2127	C2	2312	B2	3177	B1	5112	B1
2182	C1	2131	C1	2321	D3	3178	A1	5115	C2
2184	B1	2132	B2	2322	C3	3181	D3	5116	C2
2193	D1	2133	B2	2324	E3	3182	D2	5117	C2
2195	D1	2134	C2	2325	E3	3183	D2	5118	C1
2196	D1	2135	C2	2326	E3	3184	E2	5119	C1
2302	A3	2136	C2	2327	D3	3185	E2	5122	C1
2311	A2	2139	D1	2328	E3	3186	E2	5124	D1
		2142	B1	2329	E3	3191	D3	5125	D1
		2146	B1	2341	E2	3192	D3	5126	D1
		2150	B2	2342	E2	3193	D3	5131	D3
		2152	D2	2343	E2	3194	E3	5132	D3
		2155	D2	2344	E1	3195	E3	5133	D2
		2158	D2	2345	E1	3196	E3	5134	D2
		2164	D1	2346	E1	3201	A1	5135	E2
		2167	D1	2350	C3	3202	A1	5136	E2
		2168	C1	2351	C3	3203	A1	5301	B1
		2172	C1	2352	C3	3204	A1	5306	D3
		2173	D1	2353	C3	3205	A1	5307	C3
		2176	D1	2354	C3	3206	A1	5321	A3
		2181	C1	2355	C3	3207	A1	5322	A3
		2183	C1	2356	C3	3208	A1	5323	A1
		2185	C1	2357	C3	3325	B1	5340	B3
		2191	C1	2360	B3	3326	B1	5341	B3
		2194	D1	2361	B3	3327	A1	5342	A1
		2198	D1	2362	B3	3328	A1	5343	A1
		2201	C1	2363	C3	3358	E3	7103	A2
		2207	A1	2364	A1	3359	E3	7122	A2
		2208	C1	2365	A1	3377	E2	7133	C3
		2209	B1	2366	C3	3378	E2	7134	B3
		2211	B1	3107	B2	3379	E2	7135	C3
		2212	B1	3108	B2	3380	E1		
		2213	B1	3110	B2	3398	C3		
		2214	B1	3111	B2	4106	B2		
		2215	B1	3114	B2	4133	B2		
		2216	B1	3115	B2	4134	B2		
		2221	C3	3117	A2	4135	B3		
		2222	D3	3119	A2	4136	C3		
		2223	D2	3125	A2	4140	B2		
		2224	D3	3131	B2	4141	C2		
		2225	D2	3132	B2	4142	C2		
		2226	D3	3133	B2	4143	D2		
		2227	E2	3134	C2	4144	D3		
		2228	E3	3135	C3	4145	D3		
		2229	E2	3136	B2	4146	D3		
		2230	E3	3144	D1	4151	B1		
		2231	E2	3146	D1	4152	B1		
		2232	E3	3147	D1	4153	B1		
		2241	A3	3148	D1	4154	B1		

SD6.3 ST AV2 BOARD - CIRCUIT DIAGRAM (PART 1)



The schematic is divided into 13 horizontal sections, each representing a different functional block of the circuit:

- Section A:** Shows the initial power supply and signal input stages, including a 7306 74HC1G125GW buffer and a 7301 M24C16-RDW6 EEPROM.
- Section B:** Details the I2C interface for the EEPROM, showing SCL and SDA lines with pull-up resistors.
- Section C:** Illustrates the power management section, featuring a 5300 BLM18P inductor and various decoupling capacitors.
- Section D:** Shows the memory array, including a 7302 IS42S16400A DRAM and a 7303 M29W160ET70 flash memory.
- Section E:** Details the digital-to-analog converter (DAC) section, showing a 7303 M29W160ET70 and various DAC outputs.
- Section F:** Shows the digital-to-analog converter (DAC) section, including a 7303 M29W160ET70 and various DAC outputs.
- Section G:** Details the digital-to-analog converter (DAC) section, including a 7303 M29W160ET70 and various DAC outputs.
- Section H:** Shows the digital-to-analog converter (DAC) section, including a 7303 M29W160ET70 and various DAC outputs.
- Section I:** Details the digital-to-analog converter (DAC) section, including a 7303 M29W160ET70 and various DAC outputs.

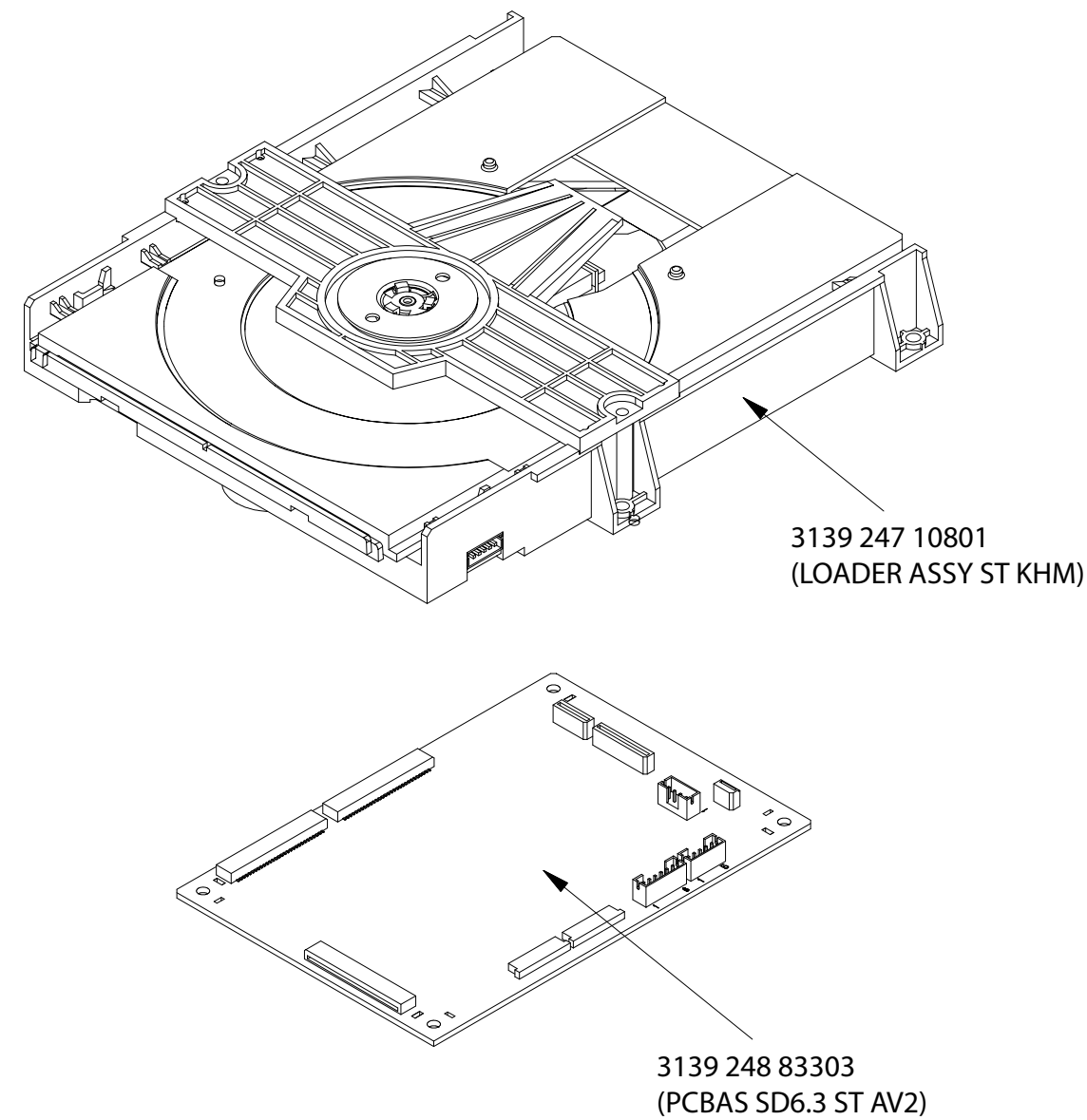
Legend:

- #0 PROVISION
- #11 DV33
- #12 DV34
- #13 KHM310
- #21 WXD-8136
- #22 WXD-8229
- #23 DLM-1D
- #24 SCDC
- #31 RECEIVERS
- #32 PLAYERS
- #41 DIGITAL VIDEO
- #42 ANALOG VIDEO

SD6.3 Circuit2_3139 243 3097 pt5_dd wk042

1301 F13	3358 H12
1302 A13	3359 H12
1303 C13	3361 A11
1304 A9	3362 A11
1305 H9	3363 A11
2301 B2	3364 A11
2302 C2	3365 A11
2303 C4	3366 A11
2304 C4	3367 B11
2305 C4	3368 B11
2306 C4	3369 B11
2307 C4	3370 A11
2308 D4	3371 A11
2309 D4	3372 B11
2310 G3	3373 B11
2312 G3	3374 B11
2315 G5	3375 B11
2316 G5	3376 B11
2317 I5	3377 D11
2318 I6	3378 D11
2319 F5	3379 D11
2320 F6	3380 D12
2321 A6	3381 B11
2322 B6	3391-1 B5
2323 A3	3391-2 B5
2324 H12	3391-3 C5
2325 H12	3391-4 C5
2326 H12	3392-1 B5
2327 H12	3392-2 B5
2328 H12	3392-3 B5
2329 H12	3392-4 B5
2341 D11	3393-1 B6
2342 D11	3393-2 B6
2343 D11	3393-3 C6
2344 D12	3393-4 C6
2345 D12	3394-1 B6
2346 D12	3394-2 B6
2350 C7	3394-3 B6
2351 C7	3394-4 B6
2352 C7	3398 A8
2353 C7	3401 C11
2354 C7	3402 C11
2355 C7	3403 C11
2356 C7	3404 C11
2357 C8	3405 C11
2358 D8	3406 C11
2361 D8	3407 C11
2362 D8	3408 B11
2363 A7	3409 B11
2364 I9	4301 H2
2365 I9	4311 A2
2366 A7	4312 A2
2381 F8	5300 C2
2391 D6	5301 F3
2392 D6	5302 F5
2393 D6	5303 F6
2394 E6	5305 A3
3301-1 E1	5306 A6
3301-2 E1	5307 A6
3301-3 E1	5308 F6
3301-4 E1	5321 B6
3302-1 D1	5322 B8
3302-2 E1	5323 B8
3302-3 E1	5340 D7
3302-4 E1	5341 D7
3303-2 D1	5342 H8
3303-3 D1	5343 H8
3303-4 D1	5344 C11
3304-1 D1	5345 C11
3304-2 D1	7301 B1
3304-3 D1	7302 E3
3304-4 D1	7303 G2
3305-1 D1	7304 F5
3305-2 D1	7306 A2
3305-3 D1	7307 A6
3305-4 E1	7308 B6
3306 E1	7310 E9
3310 B3	
3311 B3	
3312 B2	
3313 B2	
3314 G7	
3315 G7	
3316 E8	
3317 E8	
3324 A11	
3325 H2	
3326 H3	
3327 H8	
3328 H8	
3335 G4	
3336 H5	
3337 I6	
3338 H5	
3340 H11	
3341 G11	
3342 G7	
3343 F7	
3344 F7	
3345 G11	
3346 G11	
3347 H11	
3348 H5	
3349 G11	
3350 G11	
3352 A7	
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3354 A1	
3355 A3	
3356 A6	
3357 D8	

EXPLODED VIEW - MODULE SD6.3 ST AV2



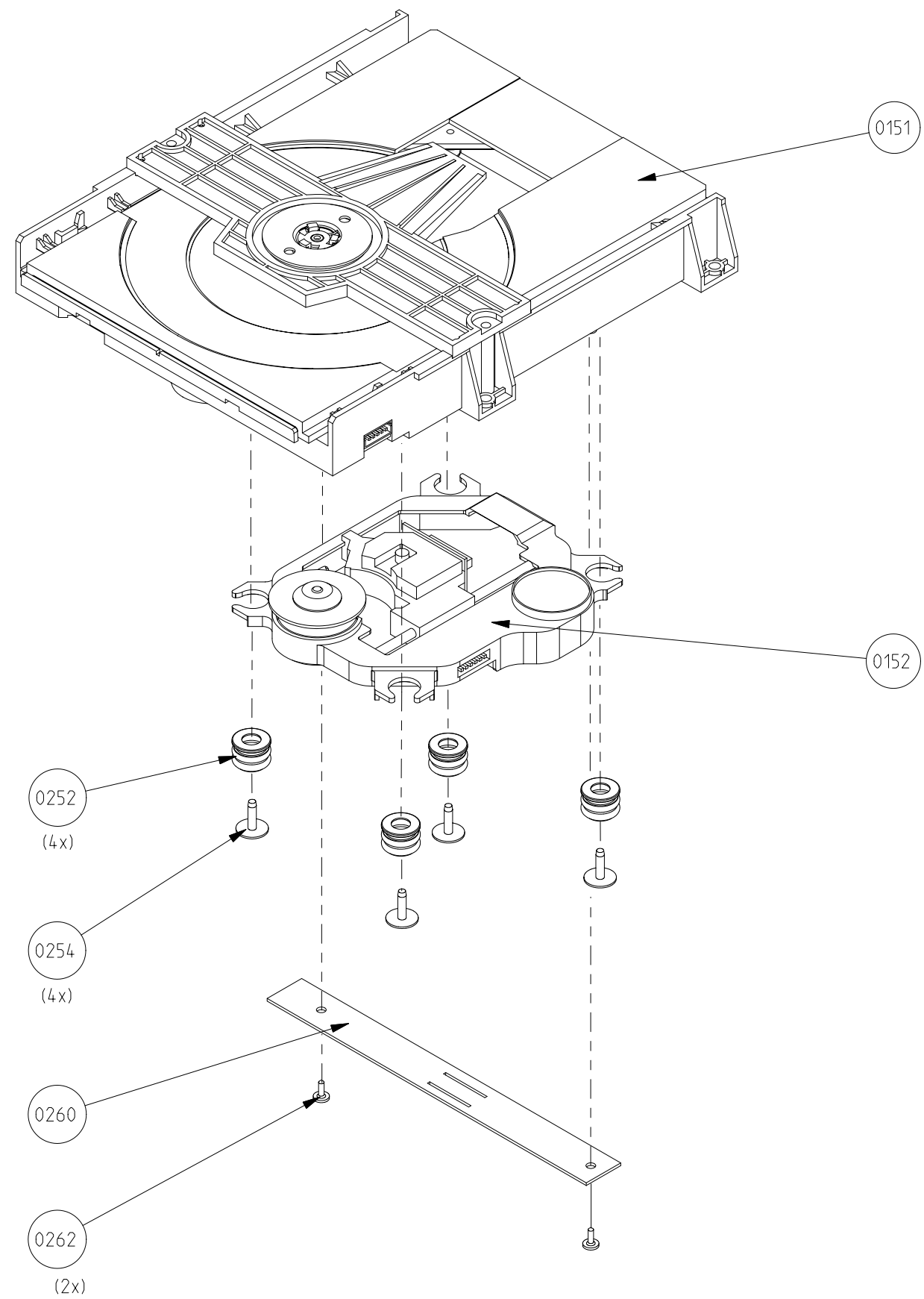
Module SD6.3 ST AV2_dd wk0428

MODULE SD6.3 ST AV2 PARTS LIST

0001	3139 247 10801	LOADER ASSY ST KHM
0002	3139 248 83303	PCBAS SD6.3 ST AV 2
1101	3139 241 00851	FFC FOIL 24P/180/24P AD 0.5MMP

Note : Only the parts mentioned in this list are normal service spare parts.

EXPLODED VIEW - LOADER ASSY ST KHM



LOADER ASSY ST KHM_3139 247 10801_dd wk0428

ELECTRICAL PARTS LIST - SD6.3 ST AV2 BOARD**MISCELLANEOUS**

1101	2422 025 17529	FLEX CONNECTOR 24P	5308	4822 157 11499	IND FXD 0603 EMI 100MHz 60R
1104	2422 025 16388	FLEX CONNECTOR 16P	5344	4822 157 11499	IND FXD 0603 EMI 100MHz 60R
1105	2422 025 17768	FLEX CONNECTOR 9P	5345	4822 157 11499	IND FXD 0603 EMI 100MHz 60R
1111	2422 025 17201	FLEX CONNECTOR 9P			
1112	4822 267 11027	FLEX CONNECTOR 16P			
1151	4822 157 11717	IND FXD 1206 EMI 100MHz 50R			
1152	4822 157 11717	IND FXD 1206 EMI 100MHz 50R			
1153	4822 157 11717	IND FXD 1206 EMI 100MHz 50R			
1301	2422 025 17451	FLEX CONNECTOR 30P			
1302	2422 025 17451	FLEX CONNECTOR 30P			

RESISTORS

3301	2350 035 10229	RST NETW 1206 4X 22R 5%			
3302	2350 035 10229	RST NETW 1206 4X 22R 5%			
3303	2350 035 10229	RST NETW 1206 4X 22R 5%			
3304	2350 035 10229	RST NETW 1206 4X 22R 5%			
3305	2350 035 10229	RST NETW 1206 4X 22R 5%			
3346	4822 157 11499	IND FXD 0603 EMI 100MHz 60R			

COILS & FILTERS

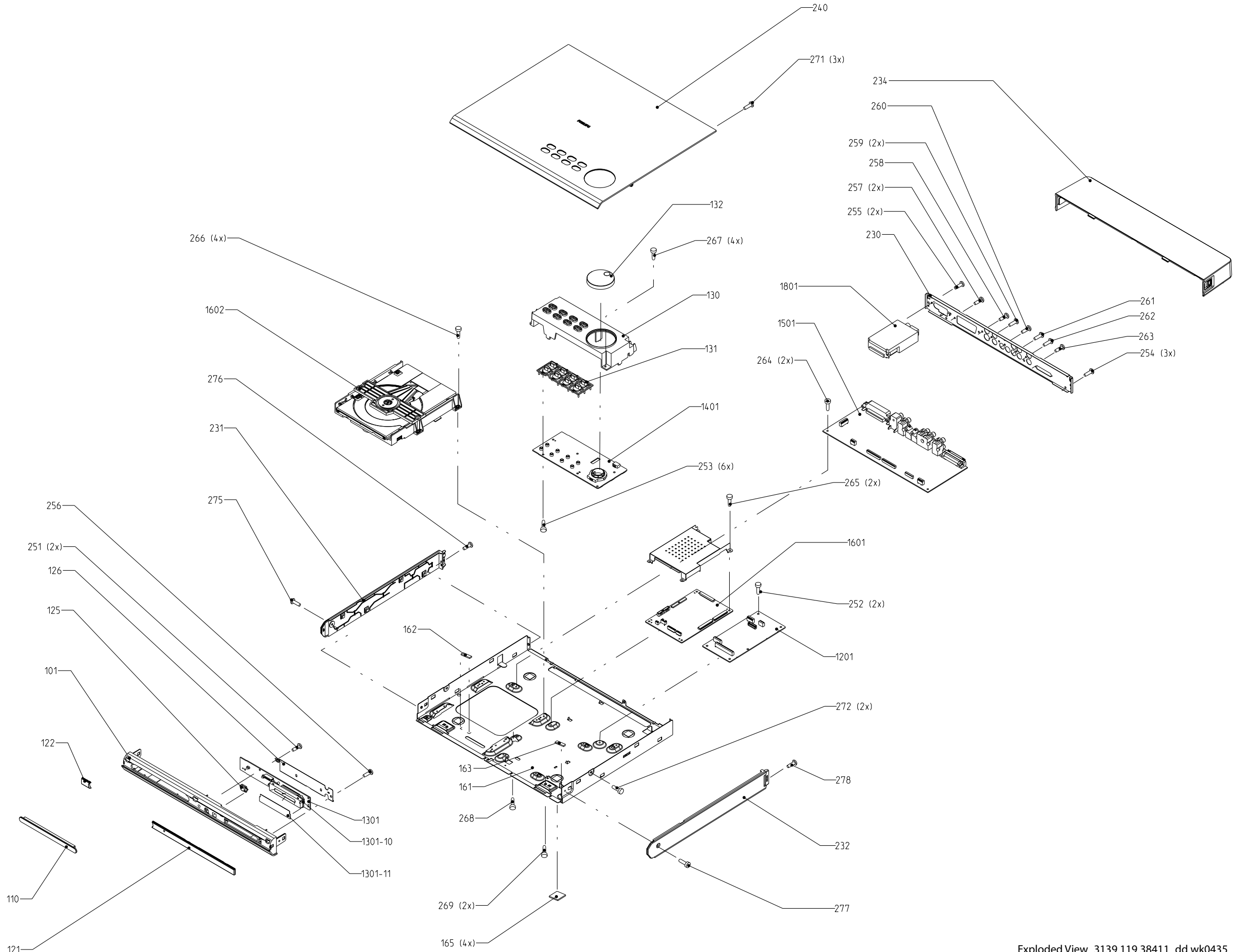
5101	4822 157 11717	IND FXD 1206 EMI 100MHz 50R			
5103	4822 157 11499	IND FXD 0603 EMI 100MHz 60R			
5104	4822 157 11499	IND FXD 0603 EMI 100MHz 60R			
5105	4822 157 11499	IND FXD 0603 EMI 100MHz 60R			
5106	4822 157 11499	IND FXD 0603 EMI 100MHz 60R			
5107	4822 157 11499	IND FXD 0603 EMI 100MHz 60R			
5108	4822 157 11499	IND FXD 0603 EMI 100MHz 60R			
5109	4822 157 11499	IND FXD 0603 EMI 100MHz 60R			
5111	4822 157 11499	IND FXD 0603 EMI 100MHz 60R			
5112	4822 157 11717	IND FXD 1206 EMI 100MHz 50R			
5115	4822 157 11499	IND FXD 0603 EMI 100MHz 60R			
5116	4822 157 11499	IND FXD 0603 EMI 100MHz 60R			
5117	4822 157 11499	IND FXD 0603 EMI 100MHz 60R			
5118	4822 157 11499	IND FXD 0603 EMI 100MHz 60R			
5119	4822 157 11499	IND FXD 0603 EMI 100MHz 60R			
5122	4822 157 11499	IND FXD 0603 EMI 100MHz 60R			
5123	4822 157 11499	IND FXD 0603 EMI 100MHz 60R			
5124	3198 018 31090	FXD IND SM 0805 10U 10%			
5125	3198 018 31090	FXD IND SM 0805 10U 10%			
5126	4822 157 11499	IND FXD 0603 EMI 100MHz 60R			
5130	2422 543 01393	RES XTL SM 27MHz 10P CX8045			
5131	3198 018 41880	FXDIND SM 1210 1U8 5%			
5132	3198 018 41880	FXDIND SM 1210 1U8 5%			
5133	3198 018 41880	FXDIND SM 1210 1U8 5%			
5134	3198 018 41880	FXDIND SM 1210 1U8 5%			
5135	3198 018 41880	FXDIND SM 1210 1U8 5%			
5136	3198 018 41880	FXDIND SM 1210 1U8 5%			
5300	4822 157 11499	IND FXD 0603 EMI 100MHz 60R			
5301	4822 157 11499	IND FXD 0603 EMI 100MHz 60R			
5302	4822 157 11499	IND FXD 0603 EMI 100MHz 60R			
5303	4822 157 11499	IND FXD 0603 EMI 100MHz 60R			
5305	4822 157 11499	IND FXD 0603 EMI 100MHz 60R			

TRANSISTORS & INTEGRATED CIRCUITS

7101	4822 209 17398	IC SM LD1117DT33
7102	9322 165 15685	IC SM NCP303LSN30
7106	4822 130 11565	TRA POW SM 2SB1132
7107	4822 130 11565	TRA POW SM 2SB1132
7108	9340 547 13215	FET SIG SM BSH103
7108	9322 212 30685	FET POW SM TN0200T
7109	9340 547 13215	FET SIG SM BSH103
7109	9322 212 30685	FET POW SM TN0200T
7110	9340 219 30115	TRA SIG SM BC817-25W
7111	9322 201 94668	IC SM MM1646XH
7112	9322 203 35671	IC SM MT1389E
7121	9340 425 20115	TRA SIG SM BC847BS
7131	9322 212 30685	FET POW SM TN0200T
7131	9340 547 13215	FET SIG SM BSH103
7132	9340 547 13215	FET SIG SM BSH103
7132	9322 212 30685	FET POW SM TN0200T
7301	9322 189 04668	IC SM M24C16-RDW6
7302	9322 199 38671	IC SM IS42S16400A
7302	9322 166 67668	IC SM MT48LC4M16A2TG-7E
7303	9322 194 74668	IC SM M29W160ET70N6
7304	9322 185 10668	IC SM CS8415A-CZ
7306	9352 687 20125	IC SM 74LVC1G125GW
7310	4822 209 17345	IC SM M62320FP

Note : Only the parts mentioned in this list are normal service spare parts.

SET MECHANICAL EXPLODED VIEW



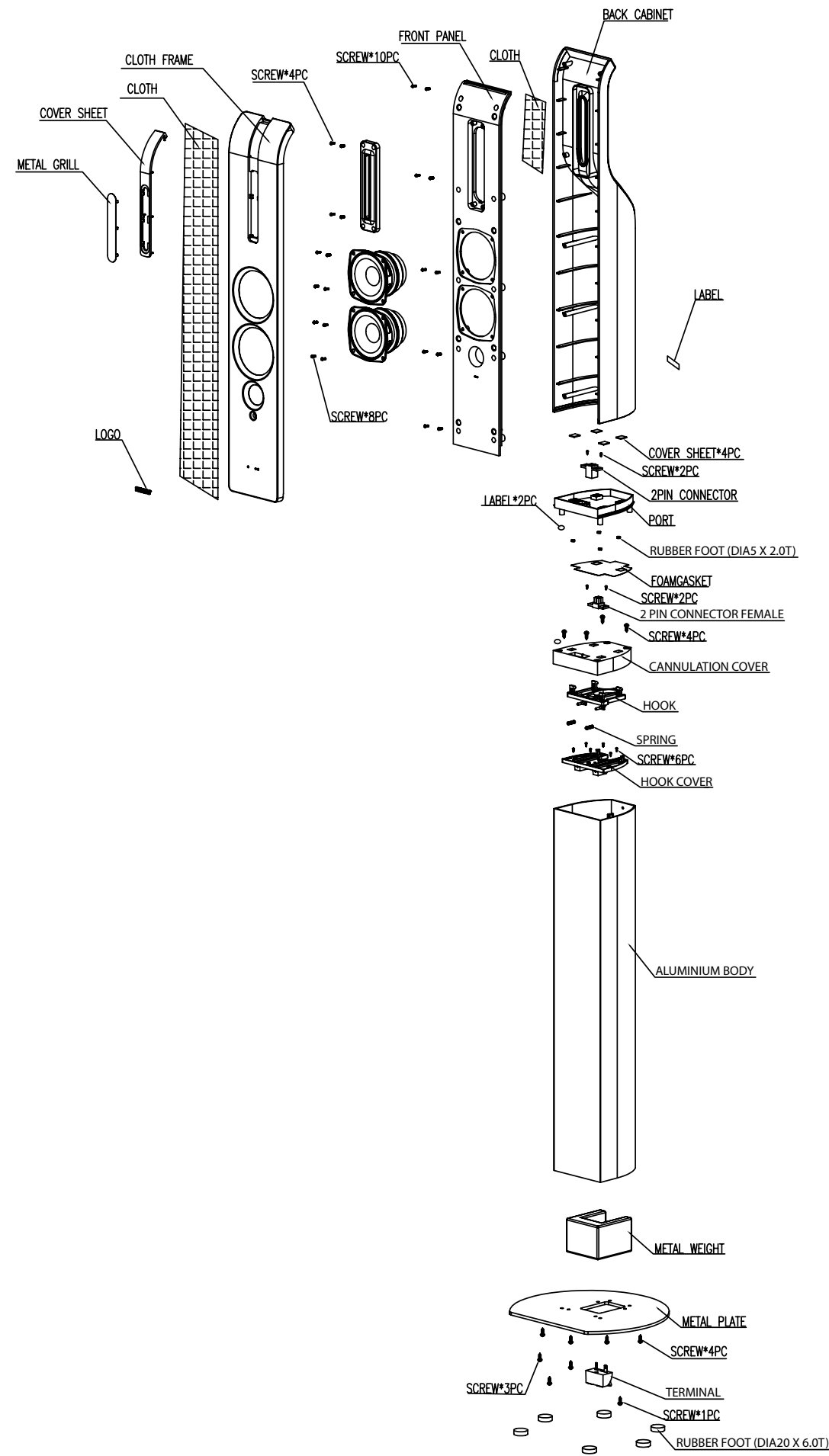
MECHANICAL & ACCESSORIES PARTS LIST - MAIN UNIT**SCREW LISTS - MAIN UNIT**

0101	3139 254 00791	CABINET FRONT
0110	3139 254 00761	COVER TRAY
0121	3139 254 00781	WINDOW DISPLAY RIGHT
0122	3139 254 00771	WINDOW DISPLAY LEFT
0125	3139 254 00841	LIGHTGUIDE IR SENSOR
0130	3139 254 00751	BRACKET SUPPORT CONTROL
0131	3139 254 00741	BUTTON SET FUNC CONTROL
0132	3139 254 00731	KNOB VOLUME ROTARY
0165	3139 243 10080	CUSHION FOOT
0231	3139 254 00721	PANEL COVER LEFT
0232	3139 254 00711	PANEL COVER RIGHT
0234	3139 254 00701	COVER REAR CABLE
0326	3139 119 02581	BOX SPK ASSY RS8320LX/69
0328	3139 119 02521	BOX SPK ASSY SW8320LX/69
0329	3139 119 02671	BOX SPK ASSY FCS8320
0331	2422 076 00546	CABLE FM AERIAL
0332	2422 549 45386	ANTENNA AM LOOP
0332	2422 549 45813	ANTENNA AM LOOP
0333	3139 258 70051	REMOTE CONTROL
0336	2422 070 98151	△ MAINS CORD /69
0336	2422 070 98257	△ MAINS CORD /93
0338	2422 076 00304	CABLE CINCH/CINCH 1M5 YE/RD/WH
0340	3103 308 92610	CABLE AUDIO 2X2RCA MALE 1.5MTR
0341	4822 321 61579	VIDEO CABLE
1501	3139 118 57701	PCBAS AV LX8300SA/69
1801	2422 542 90138	TUN A+F ENG06703Q USA B
8230	3139 111 04121	FFC FOIL 30P/120/30P AD
8240	3139 110 34750	FFC FOIL 05P/080/05P AD
8260	3139 111 04111	FFC FOIL 09P/100/09P AD 1MMP
8520	3139 111 04341	FFC 09P/140/09P AD 1MM FOLDED
8560	3139 111 04271	FFC FOIL 30P/060/30P BD 1MMP
8561	3139 111 04321	FFC 30P/220/30P BD 1MM FOLDED
8562	3139 111 02421	FFC FOIL 16P/220/16P AD 1MMP
8580	3139 111 04081	FFC FOIL 11P/60/11P BD

251	D3 x 8
252	M3 x 6
253	D3 x 8
254	M3 x 4
255	M3 x 6
256	D3 x 8
258	D3 x 8
259	D3 x 8
260	D3 x 8
261	D3 x 8
262	D3 x 8
263	M2.6 x 12
264	M3 x 6
265	M3 x 6
266	M3 x 8
268	M3 x 6
269	M3 x 6
271	M3 x 6
272	M3 x 6
275	D3 x 10
276	M3 x 6
277	D3 x 10
278	M3 x 6

Note : Only the parts mentioned in this list are normal service spare parts.

EXPLODED VIEW - FRONT/REAR SPEAKER BOX



PARTS LIST - BOX SPK ASSY FCS8320

SPEAKER BOX FRONT L/R:	
9965 000 26064	SPEAKER BOX FRONT L
9965 000 26065	SPEAKER BOX FRONT R
9965 000 25740	RUBBER FOOT (DIA5 X 2.0T)
9965 000 25741	2 PIN CONNECTOR FEMALE
9965 000 25742	CANNULATION COVER
9965 000 25749	HOOK
9965 000 25743	SPRING
9965 000 25744	HOOK COVER
9965 000 25764	TERMINAL BLACK/WHITE (FRONT L)
9965 000 25765	TERMINAL BLACK/RED (FRONT R)
9965 000 25752	RUBBER FOOT (DIA20 X 6.0T)

CENTER SPEAKER BOX:

9965 000 26066	CENTER SPEAKER BOX
9965 000 24102	RUBBER FOOT (CENTER)

Note : Only the parts mentioned in this list are normal service spare parts.

PARTS LIST - BOX SPK ASSY RS8320LX/69

SPEAKER BOX REAR L/R:	
9965 000 26061	SPEAKER BOX REAR L
9965 000 26062	SPEAKER BOX REAR R
9965 000 25740	RUBBER FOOT (DIA5 X 2.0T)
9965 000 25741	2 PIN CONNECTOR FEMALE
9965 000 25742	CANNULATION COVER
9965 000 25749	HOOK
9965 000 25743	SPRING
9965 000 25744	HOOK COVER
9965 000 26063	TERMINAL BLACK/BLUE (REAR L)
9965 000 25745	TERMINAL BLACK/GREY (REAR R)
9965 000 25752	RUBBER FOOT (DIA20 X 6.0T)

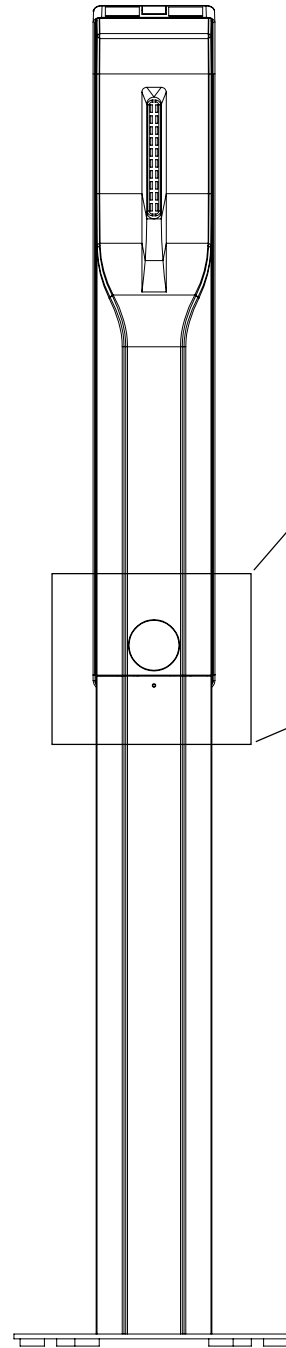
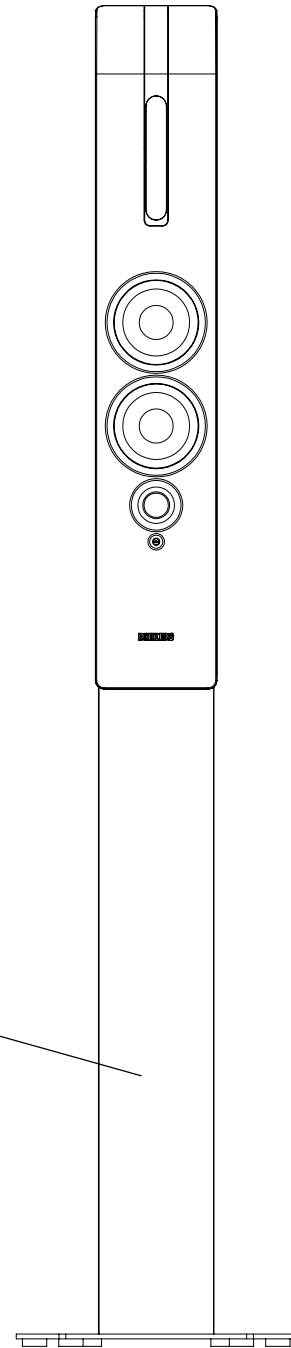
Note : Only the parts mentioned in this list are normal service spare parts.

DISMANTLING INSTRUCTIONS (SPEAKER BOX)

Dismantling of the Front/Rear Speaker Box

- 1) The Speaker Box can be separated from the Aluminium Body by using a screw driver as shown in Step 1.
- 2) Use the screw driver and push in the direction as shown in Step 2 to unlock the Hook.
- 3) Lift the Speaker Box upward in the direction as shown in Step 3 to detach it from the Aluminium Body.

Aluminium Body



Step 1



Step 2



Step 3